



# 2020 Product Catalogue

## RCPAQAP

The Royal College of Pathologists of Australasia  
Quality Assurance Programs

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# RCPA Quality Assurance Programs

RCPA Quality Assurance Programs (RCPAQAP) was formed in 1988 by the Royal College of Pathologists of Australasia (RCPA) and has evolved to become one of the world's leading external quality assurance (EQA) providers to pathology laboratories in Australia and globally. Programs are provided for all disciplines of pathology.

All Programs have been developed with assistance from a number of professional bodies and with significant input from participating laboratories.

In line with our company's philosophy all Programs are intended to continually improve the practice and standards of pathology services and health of patients.

## Company accreditation

### ISO/IEC 17043:2010

The RCPAQAP is accredited for compliance to ISO/IEC 17043 *Conformity assessment – General requirements for proficiency testing*.



Accreditation Number: 14863

### ISO 9001:2015

The Company, including all disciplines and support services are certified to ISO 9001:2015 *Quality management systems*



FS 605318

### ISO 14001:2015

The Company, including all disciplines and support services are certified to ISO 14001:2015 *Environmental management systems*



EMS 685459

### ISO 45001:2018

The Company, including all disciplines and support services are certified to ISO 45001:2018 *Occupational Health and Safety management systems*



OHS 700066

*Some programs are not or not yet included in the RCPAQAP Scope of Accreditation.  
# Indicates non-accredited programs.*

## Company structure

Discipline-related Groups consist of individual business units, each representing a pathology discipline or Program.

Blood Group	Tissue Group	Molecular Disciplines and QAPs
Chemical Pathology	Anatomical Pathology	Biosecurity
Haematology	Cytopathology	Microbiology
Transfusion		Molecular Genetics
Immunology		Molecular Infectious Diseases
Serology		Synovial Fluid

## Privacy policy

The RCPAQAP Pty Ltd, referred to hereafter as RCPAQAP, respects the rights of individuals to privacy and the confidentiality of information about individuals it deals with. RCPAQAP undertakes to comply with this privacy policy and the Australian Privacy Principles ("Privacy Principles") contained in the *Privacy Act 1988 (Cth)* ("Privacy Act") as amended by the Privacy Amendment (*Enhancing Privacy Protection*) Act 2012 (Cth). The Privacy Principles are designed to protect individuals by regulating the way personal information is managed by certain private sector organisations, including RCPAQAP. The **Australian Privacy Principles (APPs)**, outline how most Australian Government agencies, all private sector and not-for-profit organisations with an annual turnover of more than \$3 million, all private health service providers and some small businesses (collectively called 'APP entities') must handle, use and manage personal information.

The RCPAQAP also must comply with the General Data Protection Regulation (GDPR) (EU). The **General Data Protection Regulation (GDPR)** is a regulation by which the European Parliament, the Council of the European Union, and the European Commission intend to strengthen and unify data protection for all individuals within the European Union (EU). It also addresses the export of personal data outside the EU.

If you have questions about RCPAQAP and privacy, wish to provide feedback on this policy, would like to update your personal details or wish to access personal information held by RCPAQAP about you, please contact [privacy@rcpaqap.com.au](mailto:privacy@rcpaqap.com.au). Refer to our full [Privacy Policy](#) here.

# Enrolment

## Enrolment period

Programs offered by the RCPAQAP are organised over a calendar year from January to December. Whilst the key time for participants to enrol is September to December of the preceding year, enrolments are offered throughout the year, for most programs, depending on sample availability.

## Customer Service Team contact details

Suite 201, Level 2, 8 Herbert Street  
St Leonards NSW 2065  
AUSTRALIA

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phone: 1300 78 29 20  
fax: 1300 78 29 21

**International**  
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fax: +61 2 9356 2003

email: [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au)

Business Operating Hours: 8am–5pm AEST

If you are a current myQAP portal user, please log a request for any enrolment enquiries.

Our interactive product catalogue can be accessed on our corporate website here <https://rcpaqap.com.au/products/>

We also have a number of international business partners. Please click here to view or go to our corporate website [www.rcpaqap.com.au/contact-us/international-enrolments](http://www.rcpaqap.com.au/contact-us/international-enrolments)

## RCPAQAP Terms of Trade

Please follow this link [Terms of Trade](#). These Terms govern the supply of any Services ordered by you on the myQAP Portal. By enrolling in a Program, you acknowledge that you agree to accept and be legally bound by these Terms.



# Anatomical Pathology Discipline

The RCPAQAP Anatomical Pathology discipline offers modules in the areas of diagnostic and technical proficiency of histopathology laboratories.

**Diagnostic** survey cases are selected to demonstrate either classical histological features of a disease process, common disease processes observed in routine pathology laboratories or critical disease processes of educational value to participants.

**Technical** survey cases are selected on similar criteria of classical, common or critical features to be demonstrated by routine methods in the laboratory.

The diagnostic proficiency modules offer enrolments for laboratories, individual pathologists and trainees. Laboratories requiring participation in a technical external proficiency testing program for Australian accreditation may enrol in the technical and immunohistochemistry modules. Each module has an Advisory Committee which is overseen by a convening pathologist.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## What's New in 2020

- The “Immunohistochemistry Lung Markers” program will not be available in 2020. ALK Immunohistochemistry technical proficiency testing will be incorporated in the “ALK Translocation in non-small cell lung carcinoma (NSCLC)” program. This program has been moved from the RCPAQAP Molecular Genetics discipline to the Anatomical Pathology discipline and consists of both Immunohistochemistry ALK staining technical assessment and interpretation assessment through either IHC, FISH or Molecular modules. Interpretation options can be selected at enrolment.
- “Fluorescence in-situ Hybridisation (FISH) Diagnostic” program. This is a new program and will consist of one survey where participants will be required to stain and interpret for BCL2 in 2020. A different probe will be tested each year. Participants requiring ALK FISH diagnostic testing are requested to enrol in the ALK Translocation for non-small cell lung carcinoma (NSCLC) program.
- USBs will continue to be available to participants for diagnostic programs at an additional charge if required.
- The rotating diagnostic specialist modules for 2020 will be Bone and Soft Tissue and Endocrine.
- RCPAQAP is continuing to collaborate with UK NEQAS on PD-L1 for NSCLC technical proficiency testing. This EQA program consists of 4 runs per year. Participants can continue to enrol in this module and send slide submissions through RCPAQAP. The cycle schedule for UK NEQAS programs is predicted to be May 2020 (Run 130), August 2020 (Run 131), November 2020 (Run 132), February 2021 (Run 133).
- RCPAQAP is no longer collaborating with IQNPath on PD-L1 for NSCLC interpretation proficiency testing. An RCPAQAP pilot is expected to be available to invited participants in the latter part of 2019, along with PD-L1 for triple negative breast cancer.
- The HER2 BRISH Gastric Program will be split into Technical and Diagnostic Programs. Similar to the HER2 BRISH Breast Diagnostic Program, the HER2 BRISH Gastric Diagnostic Program will consist of virtual images and will be offered as an individual enrolment with an invoicing cap for laboratories with >5 enrolments.

## What's New in 2020 (continued)

- The HER2 BRISH Breast Diagnostic Module will continue to be offered only as an individual enrolment. An invoicing cap will apply for laboratories with >5 enrolments. Both single and dual probe options will be offered and individuals will be asked to select their preference at enrolment.
- The HER2 BRISH Technical proficiency testing program will be offered as separate HER2 BRISH Breast and HER2 BRISH Gastric laboratory enrolment modules. The Immunohistochemistry Breast Markers Program will no longer include HER2 BRISH.
- The Electron Microscopy Diagnostic Module will continue to be offered as separate Diagnostic and Technical modules.

## Diagnostic Proficiency Programs

### Bone and Soft Tissue Diagnostic

<b>Description</b>	Two subspecialties will be showcased each year over a 3–4 year period and will be convened by a guest pathologist. In 2020, these subspecialties will be Bone and Soft Tissue and Endocrine Pathology. Modules suggested for future years include Head & Neck.  Proficiency testing for laboratories and pathologists reporting bone and soft tissue pathology. Educational resource for other laboratories and trainees. Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey in 2020 (will not recur in 2021)
<b>Tests</b>	Bone and Soft Tissue Histopathology

### Breast Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting breast pathology. Educational resource for other laboratories/trainees.  Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year (total of 10 cases)
<b>Tests</b>	Breast Histopathology

### Dermatopathology Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting dermatopathology. Educational resource for other laboratories/trainees.  Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Skin Histopathology

## Electron Microscopy Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting transmission electron microscopy.</p> <p>Electron micrographs are available in the myQAP portal. USBs can be purchased separately.</p> <p>*Please note EM diagnostic and technical modules continue to be separate enrolments in 2020.</p>
<b>Cases and Frequency</b>	3 cases per survey / 1 survey per year (additional educational case may be included)
<b>Tests</b>	Transmission Electron Microscopy

## Endocrine Diagnostic

<b>Description</b>	<p>Two subspecialties will be showcased each year over a 3–4 year period and will be convened by a guest pathologist. In 2020, these subspecialties will be Bone &amp; Soft Tissue and Endocrine Pathology. Modules suggested for future years include Head &amp; Neck.</p> <p>Proficiency testing for laboratories and pathologists reporting endocrine pathology. Educational resource for other laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	10 cases per survey / 1 survey in 2020 (will not recur in 2021)
<b>Tests</b>	Endocrine Histopathology

## Fluorescence in-situ Hybridisation (FISH) Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories reporting fluorescence in-situ hybridisation. A different probe to be tested each year (BCL2 in 2020).</p> <p>Unstained formalin fixed paraffin sections to be stained and interpreted for BCL2 FISH probe. Virtual H&amp;E and BCL2 immunohistochemistry will also be available to assist with interpretation. Participants requiring ALK FISH diagnostic testing are requested to enrol in the ALK Translocation for non-small cell lung carcinoma (NSCLC) program.</p>
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	BCL2, FISH

## Forensic Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting forensic pathology. Educational resource for routine laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Forensic Pathology



## Gastrointestinal Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting gastrointestinal pathology. Educational resource for other laboratories and trainees. Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Gastrointestinal Histopathology

## General Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting routine anatomical pathology. Educational resource for trainees. Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 3 surveys per year (total of 30 cases)
<b>Tests</b>	General Diagnostic Histopathology

## Gynaecological Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting gynaecological pathology. Educational resource for other laboratories and trainees. Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Gynaecological Histopathology

## HER2 BRISH Breast Diagnostic

<b>Description</b>	Proficiency testing for individual pathologists who are involved in the diagnostic interpretation of results for HER2 BRISH testing in breast cancer. Stained sections of H&E, HER2 IHC and HER2 BRISH (single or dual probe) slides are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately. As this is available as an individual enrolment only, laboratories will be capped for invoicing purposes at 5 enrolments.
<b>Cases and Frequency</b>	6 cases per survey / 2 surveys per year
<b>Tests</b>	Single probe or Dual probe HER2 BRISH for breast cancer interpretation.

## HER2 BRISH Gastric Diagnostic

<b>Description</b>	<p>Proficiency testing for individual pathologists who are involved in the diagnostic interpretation of results for HER2 BRISH testing in gastric cases.</p> <p>Stained sections of H&amp;E, HER2 IHC and HER2 BRISH slides are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p> <p>As this is available as an individual enrolment only, laboratories will be capped for invoicing purposes at 5 enrolments.</p>
<b>Cases and Frequency</b>	6 cases per survey / 1 survey per year
<b>Tests</b>	HER2 BRISH for gastric cancer interpretation.

## Mohs Diagnostic

<b>Description</b>	<p>Proficiency testing for dermatopathology Mohs Fellows and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal with multiple-choice questionnaire.</p>
<b>Cases and Frequency</b>	5–10 cases per survey / 1 survey per year
<b>Tests</b>	Mohs Diagnostic Pathology

## Neuropathology Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting neuropathology. Educational resource for other laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	12 cases per survey / 1 survey per year
<b>Tests</b>	Neuropathology

## Oral and Maxillofacial Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting oral and maxillofacial histopathology. Educational resource for other laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Oral and Maxillofacial Histopathology

## Paediatric Diagnostic

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting paediatric pathology. Educational resource for other laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Paediatric Histopathology

## Urology Diagnostic

<b>Description</b>	Proficiency testing for laboratories and pathologists reporting urological pathology. Educational resource for other laboratories and trainees. Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.
<b>Cases and Frequency</b>	10 cases per survey / 1 survey per year
<b>Tests</b>	Urological Histopathology

## Technical Proficiency Programs

### Technical General

<b>Description</b>	Proficiency testing for laboratories performing general histopathology processes. Unstained formalin fixed paraffin sections are provided for most exercises. Unstained tissue sections are submitted by participants for the Processing and Sectioning exercise.
<b>Cases and Frequency</b>	1–2 exercises per survey / 3 surveys per year
<b>Tests</b>	H&E staining, Elastin staining, Alcian Blue/PAS staining and Processing and Sectioning.

### Technical Frozen Section

<b>Description</b>	Proficiency testing for histopathology laboratories performing the frozen section procedure. Participants submit a stained and coverslipped section on a glass slide for assessment of block/section preparation and staining.
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	Freezing, sectioning and staining of fresh tissue.

### Technical Electron Microscopy

<b>Description</b>	Proficiency testing for laboratories processing transmission electron microscopy specimens. Lab practice and artefact identification survey. Submission of Electron Micrographs prepared by the laboratory *Please note EM diagnostic and technical modules continue to be separate enrolments in 2020
<b>Cases and Frequency</b>	2 exercises per survey / 1 survey per year
<b>Tests</b>	Transmission Electron Microscopy

## Immunohistochemistry Proficiency Programs

### Immunohistochemistry and Technical Neuropathology

<b>Description</b>	Proficiency testing for laboratories processing neuropathology specimens. This is a combined module where unstained formalin fixed paraffin sections are provided for immunohistochemical and special staining.
<b>Cases and Frequency</b>	2 exercises per survey / 1 survey per year
<b>Tests</b>	Silver stain for Alzheimer's disease and Beta-catenin (alternate STAT6)

### Immunohistochemistry General

<b>Description</b>	Proficiency testing for laboratories processing immunohistochemistry. A variety of markers are assessed each year. Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained for 3 general markers.
<b>Cases and Frequency</b>	3 exercises per survey / 1 survey per year
<b>Tests</b>	P53 (alternate CK20); DOG-1 (alternate CD117); MSH2 (alternate CDX2)

### Immunohistochemistry Breast Markers

<b>Description</b>	Proficiency testing for laboratories processing immunohistochemistry. A variety of breast markers are assessed. Unstained formalin fixed paraffin sections comprising of 5 breast cancer cases in a composite tissue block to be stained for ER, PR, HER2 and 2 additional antibodies.
<b>Cases and Frequency</b>	5 exercises per survey / 1 survey per year
<b>Tests</b>	ER, PR, HER2 plus p63 and E-cadherin.

### Immunohistochemistry Breast Markers Audit

<b>Description</b>	Quality assurance activity for laboratories reporting immunohistochemistry (IHC) and in-situ hybridization (ISH) breast markers through an audit of clinical results. There is no technical component to this survey, but it comprises online submission of the hormone receptor and HER2 status for each case of early invasive primary (not stage 4 disease) breast carcinoma. A maximum of 100 cases from the preceding year are submitted.
<b>Cases and Frequency</b>	100 cases submitted per survey / 1 survey per year
<b>Tests</b>	Breast marker audit of cases reported by participant.

### Immunohistochemistry Lymphoma Markers

<b>Description</b>	Proficiency testing for laboratories processing immunohistochemistry. A variety of lymphoma markers are assessed. Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained for 3 lymphoma markers.
<b>Cases and Frequency</b>	3 exercises per survey / 1 survey per year
<b>Tests</b>	ALK1 (alternate CD45); BCL-6 (alternate CD10); CD20.

## HER2 BRISH Breast Technical

<b>Description</b>	Proficiency testing for laboratories performing HER2 BRISH staining on breast cases. Unstained formalin fixed paraffin sections comprising of composite tissue block are to be stained for HER2 BRISH.
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	HER2 BRISH Technical (Breast)

## HER2 BRISH Gastric Technical

<b>Description</b>	Proficiency testing for laboratories performing HER2 BRISH testing on gastric cases. Unstained formalin fixed paraffin sections comprising of composite tissue block are to be stained for HER2 BRISH.
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	HER2 BRISH Technical (Gastric)

## ALK Translocation for non-small cell lung carcinoma (NSCLC)

<b>Description</b>	<p>Proficiency testing for laboratories staining ALK immunohistochemistry.</p> <p>Proficiency testing for laboratories interpreting ALK translocation.</p> <p>Formally part of the RCPAQAP Molecular Genetics Discipline, the 'ALK Translocation for NSCLC' program has been combined with the RCPAQAP Anatomical Pathology 'Immunohistochemistry for Lung Markers' program. This program now consists of the following selectable modules: Immunohistochemistry ALK staining for technical and interpretation proficiency; ALK FISH interpretation proficiency and ALK Molecular techniques interpretation proficiency. Participants select the module/s appropriate for ALK translocation testing within their laboratory.</p> <p>Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained/processed/interpreted for ALK.</p>
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	ALK IHC, ALK FISH, ALK Molecular

## Immunohistochemistry PD-L1 for non-small cell lung carcinoma

<b>Description</b>	<p>In collaboration with UK NEQAS. Proficiency testing for laboratories processing PD-L1 immunohistochemistry for non-small cell lung carcinoma. Unstained formalin fixed paraffin sections comprising of composite tissue and cell lines block to be stained for PD-L1. This is a technical proficiency testing module only.</p> <p>PD-L1 interpretation proficiency testing will be offered as an RCPAQAP Pilot in late 2019. If offered as an EQA in 2020, participants will be notified via email.</p>
<b>Cases and Frequency</b>	1 exercise per survey / 4 surveys per year
<b>Tests</b>	<p>PD-L1 for non-small cell lung carcinoma</p> <p>Survey Numbers: UK NEQAS Programs</p>



# Biosecurity Discipline

In 2008 the Australian Government established a two tiered list of Security Sensitive Biological Agents (SSBA) as part of the SSBA Regulatory Scheme for the control of select agents and toxins. Funding was subsequently made available through the Department of Health to establish RCPAQAP Biosecurity, with the aim of providing a quality assurance and proficiency testing program (PTP) for Tier 1 and Tier 2 SSBA, other potential agents and communicable disease threats. The program now offers surveys free of charge to Australian laboratories and for a fee to approved overseas laboratories with a view to building and enhancing laboratory capacity and capability to detect, analyze, identify and report on these agents.

Refer to the Australian Government Department of Health website for current Security Sensitive Biological Agents Lists. <http://www.health.gov.au/SSBA#list>

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

After consultation with the RCPAQAP Biosecurity team, enrolments for the program should be arranged through the RCPAQAP Customer Service Team, [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au) or log a request via the myQAP portal.

## What's New in 2020

RCPAQAP Biosecurity are offering a Whole Genome Sequencing (WGS) Module in 2020 following interest shown and a successful 2019 WGS Pilot PTP.

RCPAQAP Biosecurity have been collaborating with the Communicable Diseases Genomics Network (CDGN) who provide characterised survey material and bioinformatics analysis services. The aim is to implement WGS into microbiology laboratories in Australia in the context of analytical standardisation and laboratory accreditation.

The WGS Module for infectious agents has been developed to evaluate laboratories' capacity to perform whole genome sequencing of live bacterial isolates and analysis of the genome sequences, through the submission of the sequence data for quality analysis by an external assessor.

Module	Organism or Toxin	Sample Type and Tests	No. of surveys	Date
Whole Genome Sequencing	Specimens to be determined	Live bacteria for WGS	1	February
SSBA Biopreparedness Exercise	<i>Vector borne organism</i>	Inactivated virus & sera NAT & serology test	1	March
SSBA Bacterial Specimen Module	<i>Yersinia pestis</i> <i>Francisella tularensis</i>	Inactivated bacteria Microscopy, NAT Immunofluorescence tests	2	May June
SSBA Viral Specimen Module	<i>Ebolavirus</i> <i>Yellow fever virus</i>	Inactivated virus NAT	2	May June

SSBA eLearning Module	Anthrax	N/A	1	January–December
SSBA eLearning Module	Ebola	N/A	1	January–December
SSBA eLearning Module	Plague	N/A	1	January–December
SSBA eLearning Module	Abrin and Ricin	N/A	1	January–December
SSBA eLearning Module	Smallpox	N/A	1	January–December
SSBA eLearning Module	Botulism	N/A	1	January–December

## Specimen Programs

Available free of charge to Australian laboratories that require the capability to test for SSBA, other potential agents and communicable disease threats and to Australian Government Department of Health approved international laboratories for a fee that reflects the cost of the modules production.

### Bacterial

- Clinical or environmental analytes
- Derivations of vaccine strains
- Genetic material
- Inactivated bacteria
- Surrogate organisms

### Viral

- Genetic material
- In vitro RNA Transcripts
- Inactivated viruses
- Sera

### Toxin

- Non-toxic subunits
- Inactivated toxins
- Non-toxin producing strains

## Virtual Program

Available to all laboratories within Australia and to RCPA Microbiology Registrars free of charge and to Australian Government Department of Health approved international laboratories for a fee that reflects the cost of the modules production.

## eLearning Program

Available to all laboratories within Australia and to RCPA Microbiology Registrars free of charge and to Australian Government Department of Health approved international laboratories for a fee that reflects the cost of the modules production.

## Simulated Exercises in Biopreparedness

Specimen Modules available to selected laboratories within Australia and offered free of charge and, where appropriate, to Australian Government Department of Health approved international laboratories for a fee that

reflects the cost of the modules production. They are real-time exercises designed to test the biopreparedness of a select group of laboratories. It is recommended that laboratories involve clinicians when participating in these exercises.

### **Biosecurity Targeted Webinar or Workshop**

Offered annually as either a one-hour webinar or a workshop in conjunction with other RCPAQAP or collaborator workshops. Topics to be publicised the beginning of each year.





# Chemical Pathology Discipline

The RCPAQAP Chemical Pathology discipline programs are run in association with the Australasian Association of Clinical Biochemists (AACB) whose members provide expertise and assistance via specialised Advisory Committees. The Advisory Committees are involved in setting target values, providing expert opinion for reports, participant queries, and collecting and preparing quality assurance material.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## General

All Chemical Pathology Full Programs are made up of two components:

- Data Management – which includes result entry and all associated Survey, End-of-Cycle and KPI reports. A Participant Handbook and Schedules, along with all Result and Method Sheets are supplied in the RCPAQAP myQAP online customer portal [www.myqap.com.au](http://www.myqap.com.au)
- Full program (material) – a complete set of material containing all the samples to be analysed for the full enrolment year is distributed to participants following enrolment. The material is lyophilised unless indicated otherwise.

Only one method code is permitted per analyte. If a participant wishes to report more than one method code per analyte then a new Participant Number is required and an additional Data Management enrolment may be purchased.

## Data Management Only

Purchasing a Data Management enrolment is useful when the material from the Full Program can be shared with a second instrument or a satellite/branch laboratory. Data Management only enrolment is available for all programs.

**NOTE:** A single Participant Number may have either a Full Program **OR** a Data Management enrolment, **NOT BOTH**

## Modules

All Chemical Pathology modules are available separately.

## Additional Material

Laboratories may obtain an additional set of materials if the volume provided in each vial is insufficient for the number of analytes the laboratory will test. There will be an associated administration and processing fee for any additional material ordered.

## What's New in 2020

- Serum Indices - A new program launched in June 2019 offering 6 levels of indices (haemolysis, icterus and lipaemia). Intended to assist labs with assessing how their indices compare to their peers. Accommodates both quantitative and qualitative type reporting.
- Dried Blood Spot - Designed for newborn screening and monitoring laboratories. Both linear and clinical scenario samples to cover 17-Hydroxy-Progesterone, phenylalanine, Immunoreactive trypsinogen, TSH and Tyrosine. Each kit comprises a set of dried blood spots, similar to a Gurtrie filter paper
- Solutions Glucose Meter program - Designed for Roche Accu-Chek type glucose meters. Samples comprise stabilised glucose solutions. Suitable for monitoring glucose meters in hospital and diabetes clinic settings.
- Patient Report Comments - Frequency changing from 10 cases per year to 6
- HCG - Now included in the Point of Care Troponin Programs.
- PTH - A new stable material with an improved linear range was launched in June 2019. No longer available in the Endocrine program due to stability issues.
- Renin is now available in the PTH material
- Endocrine Special - A name change from Endocrine Steroids in 2019 to Endocrine Special for 2020. Same menu of analytes (some of which are not classed as steroids), hence the change to "Special" to avoid confusion.
- HbA1c - Name change from Glycohaemoglobin to HbA1c in line with current terminology.
- Sweat Testing - Name change from Sweat Electrolytes given Sweat Chloride now the only recommended electrolyte to measure (Sodium has been phased out).
- Free Testosterone and FAI - Now included in the annual Liquid Chemistry Program.

### Alcohol and Ammonia

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Ethanol	Ammonia	Aqueous BSA
		3mL

### Bile Acids

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Total Bile Acids	Lyophilised Serum	2mL

### Blood Gases

2 samples per survey / 12 surveys

Test	Sample Type	Volume
pH	Potassium	Ionised Calcium
pCO2	Chloride	Urea
pO2	Glucose	Creatinine
Sodium	Lactate	Aqueous
		Bovine Albumin Buffered Matrix
		2.5mL

*Note: Abbott i-STAT and Siemens epoc devices requiring a haematocrit should enrol in the PoCT Blood Gases Program.*

**Blood Gases: CO-Oximetry**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Haemoglobin	Oxyhaemoglobin	Lyophilised Bovine	0.5mL
Carboxyhaemoglobin	Methaemoglobin	Haemoglobin	

*Note: This program is not suitable for Abbott i-STAT devices.*

**B-Natriuretic Peptide (BNP)**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
B-type Natriuretic Peptide (BNP)	Lyophilised Serum	0.5mL
N-terminal Prohormone B-type Natriuretic Peptide (NT-pro BNP)		

**Body Fluids**

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Albumin	Potassium	Diluted serum	3mL
Amylase	Protein (total)		
Cholesterol	Sodium		
Creatinine	Triglycerides		
Glucose	Urate		
Lactate	Urea		
Lactate Dehydrogenase	CA19-9		
Lipase	CEA		
Osmolality			
pH			

**C-Reactive Protein**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
C-Reactive Protein	Serum	0.5mL

**CSF: Chemistry**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Total Protein	Immunoglobulin G	Lyophilised CSF	2mL
Glucose	Lactate		
Albumin			
Xanthochromia Screen – Haemoglobin (absorbance & qualitative)			
Xanthochromia Screen – Bilirubin (absorbance, concentration & qualitative)			

**CSF: Oligoclonal Bands**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Oligoclonal Banding (CSF)	Lyophilised CSF +	0.5mL
Oligoclonal Banding (serum)	Lyophilised Matching Serum	
Beta-Trace Protein		

**Dried Blood Spot**

3 samples per survey / 6 surveys

Test	Sample Type	Volume
17-Hydroxy-Progesterone (17-OHP)	Whole blood (dried)	2 x75uL
Phenylalanine		
Immunoreactive trypsinogen (IRT)		

**Endocrine**

2 samples per survey/ 12 surveys

Test	Sample Type	Volume
α Fetoprotein	Lyophilised Serum	5mL
CA-125		
CEA		
Ferritin		
Folate		
FSH		
Growth Hormone		
Homocysteine		
hCG (Total)		
Insulin		

**Endocrine: Angiotensin-converting Enzyme**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Angiotensin converting Enzyme (ACE)	Lyophilised Serum	0.25mL

**Endocrine: Anti-Mullerian Hormone**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Anti-Mullerian Hormone	Lyophilised Serum	2mL

**Endocrine: Parathyroid Hormone (PTH)**

2 samples per survey/ 12 surveys

Test	Sample Type	Volume
PTH	Lyophilised Serum	0.5 mL
Renin	Lyophilised Serum	0.5 mL

**Endocrine: Prostate Specific Antigen (PSA)****2 samples per survey/ 12 surveys**

Test		Sample Type	Volume
Total PSA	Free PSA	Lyophilised Serum	3mL

**Endocrine: Red Cell Folate****2 samples per survey / 12 surveys**

Test		Sample Type	Volume
Red Cell Folate		Lyophilised Whole Blood	1mL

**Endocrine: Special****2 samples per survey/ 12 surveys**

Test			Sample Type	Volume
Aldosterone	Oestriol	P1NP	Lyophilised Serum	5mL
Androstenedione	(unconjugated)	Dihydrotestosterone		
Cortisol	Progesterone	Active B12		
DHEA Sulphate	Testosterone	(Holotranscobalamin)		
17 Hydroxyprogesterone	Total T3	serum-Beta CTX		
Oestradiol	Total T4	11-Deoxycortisol		
	Vitamin D3 (25 Hydroxy Vitamin D)			

**Faecal Occult Blood****2 samples per survey / 12 surveys**

Test		Sample Type	Volume
Faecal Occult Blood (Qualitative)		Lyophilised Human Blood	1mL
Faecal Occult Blood (Quantitative)		Lyophilised Human Blood	1mL

## General Serum Chemistry

2 samples per survey / 24 surveys

Test			Sample Type	Volume
Albumin	<b>Enzymes</b>	<b>Endocrine</b>	Lyophilised Serum and Matching Diluent	5mL
Bicarbonate	ALT	Cortisol		
Bilirubin – Total	Alkaline Phosphatase	Thyroxine		
Bilirubin – Conjugated	Amylase	Free T4		
Icterus (Quantitative)	AST	TSH		
Icterus (Qualitative)	Cholinesterase	Total T3		
Calcium	Creatine Kinase	Free T3		
Chloride	CK-MB	hCG (quantitative)		
Creatinine	GGT	hCG (qualitative)		
Fructosamine	Lactate Dehydrogenase	<b>Drugs</b>		
Glucose	Lipase	Carbamazepine		
Lactate	Iron	Digoxin		
Lithium	TIBC	Paracetamol		
Magnesium	Transferrin	Phenobarbitone		
Osmolality	Ferritin	Phenytoin		
Phosphate (Inorganic)	<b>Lipids</b>	Salicylate		
Potassium	Cholesterol	Theophylline		
Protein (Total)	HDL Cholesterol	Valproate		
Sodium	Triglyceride	Gentamicin		
Urate		Vancomycin		
Urea				
Troponin I (quantitative)				
Troponin T (quantitative)				
Troponin T (semi-qualitative)	Roche Cardiac Reader only			
Troponin T (qualitative)				

*Note. Troponin T (semi-qualitative) on Roche Instruments. Participants using the Roche Cardiac Reader should enrol in the General Serum Chemistry Program. Participants using Roche cobas h232 instruments should enrol in the PoCT Troponin Program. This is due to the different cut-offs, standardisation and units of these 2 instruments.*

## HbA1c Lyophilised

2 samples per survey / 12 surveys

Test	Sample Type	Volume
HbA1c	Lyophilised Whole Blood	0.2mL

*Note: This program is not suitable for Abbott Afinion devices. Participants using the Abbott Afinion should enrol in the HbA1c Whole Blood program.*

## HbA1c Whole Blood

2 samples per survey / 3 surveys

Test	Sample Type	Volume
HbA1c	Fresh EDTA Whole Blood	0.3mL

**IGF-1/C Peptide**

2 samples per survey / 12 surveys

Test			Sample Type	Volume
IGF-1	C Peptide	IGF-BP3	Lyophilised Serum	1mL

**Neonatal Bilirubin**

2 samples per survey / 12 surveys

Test			Sample Type	Volume
Total Bilirubin	Conjugated Bilirubin		Lyophilised Serum	2mL

**On-Site Urine Toxicology Screening**

1 sample per survey / 12 surveys

Test	Sample Type	Volume
Amphetamine Type Substances – Amphetamine, Methamphetamine	Lyophilised Urine	10mL
Benzodiazepines		
Cannabis metabolites		
Cocaine metabolites		
Opiates		

**Oral Fluid Toxicology Screening**

1 sample per survey / 12 surveys

Test	Sample Type	Volume
Amphetamine Type Substances – Amphetamine, Methamphetamine, Methylendioxyamphetamine (MDMA)	Lyophilised Non-human protein base	2mL
Benzodiazepines		
Cannabis metabolites		
Cocaine metabolites		
Opiates		

**Patient Report Comments**

The Patient Report Comments Program is designed for commenting on patient biochemistry results. A set of patient results is provided to participants. Participants are asked to provide comments they would typically add to the report or give verbally. Six cases are provided per year. Enrolment is only available for an individual person. Samples are not issued with this program. Please log a New Participant Number Request in the myQAP portal to setup an "Individual" Participant number.

**Plasma Metanephrines**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Metanephrine	Lyophilised Plasma	3mL
Normetanephrine		
3-Methoxythyramine		

**Point-of-Care Testing: Blood Gases**

2 samples per survey / 12 surveys

Test				Sample Type	Volume
pH	Sodium	Glucose	Ionised Calcium	Aqueous Bovine Albumin Buffered Matrix	2.5mL
pCO <sub>2</sub>	Potassium	Haemoglobin	Haematocrit		
pO <sub>2</sub>	Chloride	Lactate	Creatinine		
TCO <sub>2</sub>	Urea				

Note: Suitable for devices such as the Abbott i-STAT and Siemens epoc devices.

**Condensed Point-of-Care Testing: Blood Gases**

2 samples per survey / 6 surveys

Test				Sample Type	Volume
pH	Sodium	Glucose	Ionised Calcium	Aqueous Bovine Albumin Buffered Matrix	2.5mL
pCO <sub>2</sub>	Potassium	Haemoglobin	Haematocrit		
pO <sub>2</sub>	Chloride	Lactate	Creatinine		
TCO <sub>2</sub>	Urea				

Note: Suitable for devices such as the Abbott i-STAT and Siemens epoc devices.

**Point-of-Care Testing: Troponin and HCG**

2 samples per survey / 12 surveys

Test			Sample Type	Volume
Troponin I		Troponin T (semi-quantitative)	Lyophilised Plasma	1mL
Total HCG				

Note: Suitable for devices such as Abbott i-STAT and Roche cobas h232

**Condensed Point-of-Care Testing: Troponin and HCG**

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Troponin I	Troponin T (semi-quantitative)	Lyophilised Plasma	1mL
Total HCG			

**Porphyryns: Urine**

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Urine Total Porphyrin	Urine ALA	Lyophilised Urine	5mL
Quantitative Porphobilinogen	Urine Porphyrin Components		
Qualitative Porphobilinogen			

Note: Discounted pricing option available for: Qualitative Porphobilinogen enrolment only

**Porphyryns: Plasma**

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Plasma Total Porphyrin	Plasma Porphyrin Components	Lyophilised Plasma	5mL



**Porphyryns: Faeces**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Faecal Dry Weight	Faeces	
Faecal Total Porphyrin		
Faecal Porphyrin Components		

**Porphyryns: Whole Blood**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Whole Blood Total Porphyrin	Lyophilised Whole Blood	5mL
Whole Blood Total Porphyrin Clinical Evaluation		
Whole Blood Porphyrin Fractions		

**Porphyryns Patient Report Comments**

Three clinical cases are offered each year. A set of patient porphyrin results is provided to participants. Participants are asked to return comments they would typically add to a report or give verbally. This module is only available to participants who enrol in any of the main Porphyrin programs. There is no extra charge for participation.

**Salivary Cortisol**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Salivary Cortisol	Lyophilised Non-human protein base	2mL
Salivary Cortisone		

**Serum Indices**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Haemolysis	Lyophilised Plasma	1mL
Icterus		
Lipaemia		

**Solutions Glucose meter**

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Glucose	Stabilised Glucose Solution	1mL

*Designed for Roche Accu-Chek type glucose meters. Samples comprise stabilised glucose solutions. Suitable for monitoring glucose meters in hospital and diabetes clinic settings.*

**Special Drugs**

2 samples per survey / 12 surveys

Test			Sample Type	Volume
Amiodarone	Amitriptyline	*Itraconazole	Lyophilised Serum	5mL
Clozapine	Nortriptyline	*Fluconazole		
Methotrexate	Amikacin	*OH-Itraconazole		
Mycophenolate	Gentamicin	*Posaconazole		
Tricyclic	Tobramycin	*Voriconazole		
Antidepressants	Vancomycin	*Flucytosine		
(Qualitative)		<i>*Anti-Fungals option has an additional associated fee</i>		

**Special Drugs: Immunosuppressants**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Cyclosporin	Tacrolimus	Lyophilised Whole Blood	2mL
Sirolimus			

**Special Lipids**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Cholesterol	Apolipoprotein A1	Lyophilised Serum	2mL
HDL Cholesterol	Apolipoprotein B		
LDL Cholesterol	Lipoprotein (a)		
Triglyceride			

**Sweat Testing**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Chloride	Sweat Conductivity	Aqueous	1mL
Chloride Interpretation	Sweat Conductivity Interpretation	NaCl Solution	

**Trace Elements**

Note: The RCPAQAP Trace Elements Program has joined the Occupational and Environmental Laboratory Medicine Trace Elements Program (OELM) for serum, urine and blood trace elements. This is a federation of 6 countries and the advantage of this is a much larger peer group for most methods. The enrolment year for this program will run from April to March. Result entry will be electronic only via myQAP. OELM and RCPAQAP style reports will both be available to participants.

**Trace Elements: Serum**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Aluminium	Molybdenum	Frozen Bovine Serum	2mL
Chromium	Selenium		
Cobalt	Thallium		
Copper	Vanadium		
Lithium	Zinc		
Magnesium			

**Trace Elements: Urine**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Aluminium	Lead	Frozen Human Urine	3mL
Antimony	Magnesium		
Arsenic	Manganese		
Beryllium	Mercury		
Cadmium	Nickel		
Chromium	Selenium		
Cobalt	Thallium		
Copper	Vanadium		
Iodine	Zinc		
Iron			

**Trace Elements: Whole Blood**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Arsenic	Manganese	Frozen Human Blood	3mL
Cadmium	Mercury		
Cobalt	Selenium		
Chromium	Thallium		
Lead	Zinc		
Magnesium			

**Tumour Markers**

2 samples per survey / 12 surveys

Test			Sample Type	Volume
ACTH	CA 125	Free PSA	Lyophilised Serum	2mL
Alpha-fetoprotein	CA 15-3	NSE		
Beta-2-Microglobulin	CA 19-9	Total PSA		
Calcitonin	Gastrin	Prolactin		
CEA	HCG	Thyroglobulin		
	HE4 (Human Epididymis Protein 4)			

**General Urine Chemistry**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Albumin	hCG-Qualitative	Lyophilised Urine	10mL
ACR	hCG-Quantitative		
Calcium	Magnesium		
Chloride	N-Telopeptides		
Cortisol	Osmolality		
Creatinine	Phosphate		
Free Deoxypyridinoline	Potassium		
Free Metanephrine	Sodium		
Free Normetanephrine	Total Protein		
Free 3-Methoxytyramine	Urate		
Glucose	Urea		

**General Urine Chemistry: Biogenic Amines**

1 sample per survey / 12 surveys

Test		Sample Type	Volume
Noradrenaline	HVA	Lyophilised Urine	10mL
5HIAA	3-Methoxytyramine		
Adrenaline	Metanephrine		
Dopamine	Normetanephrine		
HMMA	Serotonin		
	Clinical Evaluation Component		

*Note: Urinary Free Metanephrine, Free Normetanephrine and Free 3-Methoxytyramine are included in the General Urine Chemistry material*

**Urine Amylase**

2 sample per survey / 6 surveys

Test		Sample Type	Volume
Amylase		Lyophilised Urine	1mL

**Urine Pregnancy**

2 samples per survey / 6 surveys

Test		Sample Type	Volume
hCG (Qualitative)		Lyophilised Urine	10mL

**Urine Toxicology**

1 sample per survey / 12 surveys

Test		Sample Type	Volume
Qualitative and Quantitative Drug Testing	Creatinine	Lyophilised Urine	10mL

*Note: 10 mL of lyophilised sample is provided. Laboratories using non-immunoassay methodology may need to obtain an additional set of material.*

**Vitamins Serum**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Vitamin A	Methylmalonic acid (MMA)	Lyophilised Serum	2mL
Vitamin E			
β-carotene			
Total Carotenoids			
Serum Vitamin B6			

**Vitamins Whole Blood**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Vitamin B1		Lyophilised Whole Blood	4mL
Vitamin B2			
Vitamin B6			

**Vitamin C**

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Vitamin C		Lyophilised Serum	2mL

## Additional Programs for Overseas Participants only

The following programs are **ONLY** available to participants outside Australia and New Zealand.

### Condensed Serum Chemistry

2 samples per survey / 12 surveys

### Compact Serum Chemistry

2 samples per survey / 6 surveys

Test			Sample Type	Volume
Albumin	<b>Enzymes</b>	<b>Endocrine</b>	Lyophilised Serum and Matching Diluent	5mL
Bicarbonate	ALT	Cortisol		
Bilirubin – Total	Alkaline Phosphatase	Thyroxine		
Bilirubin – Conjugated	Amylase	Free T4		
Calcium	AST	TSH		
Chloride	Cholinesterase	Total T3		
Creatinine	Creatine Kinase	Free T3		
Fructosamine	CK-MB	hCG (quantitative)		
Glucose	GGT	hCG (qualitative)		
Lactate	Lactate Dehydrogenase	<b>Drugs</b>		
Lithium	Lipase	Carbamazepine		
Magnesium	Iron	Digoxin		
Osmolality	TIBC	Paracetamol		
Phosphate (Inorganic)	Transferrin	Phenobarbitone		
Potassium	Ferritin	Phenytoin		
Protein (Total)	<b>Lipids</b>	Salicylate		
Sodium	Cholesterol	Theophylline		
Urate	Triglyceride	Valproate		
Urea	HDL Cholesterol	Gentamicin		
Troponin I (quantitative)		Vancomycin		
Troponin T (quantitative)				
Troponin T (semi-qualitative) Roche Cardiac reader only				
Troponin T (qualitative)				

*Note. Troponin T (semi-qualitative) on Roche Instruments. Participants using the Roche Cardiac Reader should enrol in the General Serum Chemistry Program. Participants using Roche cobas h232 instruments should enrol in the PoCT Troponin Program. This is due to the different cut-offs, standardisation and units for these 2 instruments.*

## Additional Programs for Australian and NZ Participants only

The following two programs are **ONLY** available to participants in Australia and New Zealand.

### Liquid Serum Chemistry

2 samples per survey / 1 survey

Test			Sample Type	Volume
Albumin	ALT	Cortisol	Fresh Frozen Serum	3mL
Bicarbonate	Alkaline Phosphatase	DHEA Sulphate		
Bilirubin – Total	Amylase	Folate		
Bilirubin – Conjugated	AST	FSH		
Calcium	Cholinesterase	Growth Hormone		
Chloride	Creatine Kinase	LH		
Creatinine	GGT	Oestradiol		
Fructosamine	Lactate	Progesterone		
	Dehydrogenase			
Glucose	Lipase	Prolactin		
Lactate	Cholesterol	P1NP		
Magnesium	Triglyceride	SHBG		
Osmolality	HDL Cholesterol	s-βCTX		
Phosphate(Inorganic)	Non HDL Cholesterol	Testosterone		
Potassium	Iron	Free Testosterone		
		Free Androgen Index (FAI)		
		Vitamin B12		
Protein (Total)	TIBC	Active B12 (Holotranscobalamin)		
Sodium	Ferritin	Vitamin D3		
Urate	Transferrin	TSH		
Urea	Transferrin Saturation	Free T4		
	DHT	Free T3		
		Anion Gap		
		Adjusted Calcium		
		eGFR		
		Osmolar Gap		
		Globulins		

**Condensed Point of Care General Chemistry**

2 samples per survey / 12 surveys

<b>Test</b>		<b>Sample Type</b>	<b>Volume</b>
AST	Lithium	Lyophilised Serum and Matching Diluent	5mL
Bicarbonate	Magnesium		
Bilirubin – Total	Phosphate (Inorganic)		
Bilirubin – Conjugated	Potassium		
Calcium	Protein (Total)		
Chloride	Sodium		
Cholesterol	Triglyceride		
Creatine Kinase	Urate		
GGT	Urea		
Glucose	Troponin I (quantitative)		
HDL Cholesterol	Troponin T (quantitative)		
hCG (qualitative)	Troponin T (semi-quantitative, Roche		
Lactate	Cardiac reader only)		
Lactate Dehydrogenase	Troponin T Qualitative		
Lipase			





# Cytopathology Discipline

The RCPAQAP Cytopathology discipline offers external quality assurance modules that encompass both gynaecological and non-gynaecological Cytopathology practice. Laboratories may enrol in any or all of the modules.

**Gynaecological** modules consist of glass slide surveys of conventional or liquid-based cervical smears representing a wide range of diagnoses. Diagnoses may include normal findings, pathogens and neoplasia, both squamous and glandular. All high grade abnormalities are histologically confirmed. Participants have the option of enrolling in any or all of the conventional, ThinPrep and SurePath gynaecological modules.

**Non-Gynaecological** modules consist of virtual images provided via Sectra hyperlinks and optional USB devices if purchased. Both the General and Fine Needle Aspiration Cytopathology modules consist of specimens from a range of body sites. All cases have appropriate clinical and histological follow-up. When appropriate, cases consist of two preparations stained by Papanicolaou and Romanowsky methods. Immunohistochemistry images may also be included.

**Technical** exercises are selected to assess common or critical features demonstrated by routine methods in the laboratory. Questionnaires on laboratory practice may also be issued.

**Performance Measures – for Australian laboratories only** provide an inter-laboratory comparison over a set of measures based on key quantitative data. Retrospective data is collected twice per year covering reporting profiles, such as the proportion of smears reported as unsatisfactory and abnormal, and the results of slide reviews and histological follow-up. An annual report (issued in two parts) summarises individual laboratory data in comparison with the group (national) data and recommended standards.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## What's New in 2020

- The frequency of non-gynaecological modules (General and Fine Needle Aspiration) will change from 4 surveys (2 cases per survey) to 2 surveys (4 cases per survey). The first dispatch will consist of 4 general cases; the second dispatch will consist of 4 FNA cases; the third dispatch will consist of 4 general cases and the fourth dispatch will consist of 4 FNA cases.
- Assessments will continue to be performed for all non-gynaecological modules. Further information on the assessment of these modules can be found in the 2020 RCPAQAP Data Analysis and Assessment Criteria Handbook found in the myQAP Documents tab. USBs will continue to be available to participants at an additional charge if required.
- Batch reporting will continue for the non-gynaecological modules. Assessments will occur after the survey closing date. Online submissions can be modified at any time while the survey is open. A Preliminary report will be uploaded to myQAP after the survey closes. This report can be viewed by all myQAP contacts who have appropriate access and will not be emailed to the primary contact. An email notification will be sent to all myQAP contacts when the Preliminary and Final reports are available in myQAP.

## What's New in 2020 (continued)

- The scheduled closing date for Result Entry will continue to be mandated in 2020. Participants will be required to enter results prior to the survey closing date. Please refer to the RCPAQAP Policy for Late and Amended Reports and Appeals Policy in the myQAP Documents tab. Gynaecological module participants are encouraged to return results and slides well in advance of the closing date to enable slide re-allocations for subsequent surveys as stipulated in the 2020 Participant Handbook.
- In 2020, the Technical Module will take the form of a Romanowsky staining exercise. Participants will be supplied with an air-dried non-gynaecological sample for staining with a Romanowsky stain of their choice e.g. Diff Quik, Giemsa, Wright's. The stained slide is then submitted to the RCPAQAP for assessment. A corresponding questionnaire will also be issued.
- In 2020, the non-gynaecological specialty module will focus on head and neck cytopathology.

## Gynaecological

<b>Description</b>	<p>Proficiency testing for laboratories, cytologists and pathologists reporting cervical cytopathology. Educational resource for other laboratories and trainees. Three modules are offered within this program.</p> <p>Glass slides are provided requiring return at the end of each survey:</p> <p>Five conventional cervical smears per survey (GYN)</p> <p>Five liquid-based cervical smears per survey (THP)</p> <p>Five liquid-based cervical smears per survey (SUP)</p>
<b>Cases and Frequency</b>	5 cases per survey / 4 surveys per year
<b>Tests</b>	<p>Conventional gynaecological (GYN)</p> <p>Liquid-based ThinPrep gynaecological (THP)</p> <p>Liquid-based SurePath gynaecological (SUP)</p>

## Performance Measures # This program is non-accredited

<b>Description</b>	For Australian laboratories only. Collection of National Cervical Screening Program data as per NPAAC requirements.
<b>Cases and Frequency</b>	2 data collections per year
<b>Tests</b>	Performance Measures

## Non-gynaecological General

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting general exfoliative non-gynaecological cytopathology. Educational resource for other laboratories and trainees. Stained preparations are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p> <p>Four non-gynaecological general virtual cases per survey (GEN)</p>
<b>Cases and Frequency</b>	Four virtual cases per survey / 2 surveys per year
<b>Tests</b>	Non-gynaecological General (GEN)

## Non-gynaecological FNA

<b>Description</b>	<p>Proficiency testing for laboratories and pathologists reporting fine needle aspiration biopsy non-gynaecological cytopathology. Educational resource for other laboratories and trainees.</p> <p>Stained preparations are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p> <p>Four non-gynaecological Fine Needle Aspiration virtual cases per survey (FNA)</p>
<b>Cases and Frequency</b>	Four virtual cases per survey / 2 surveys per year
<b>Tests</b>	Non-gynaecological Fine Needle Aspiration (FNA)

## Non-gynaecological Specialty

<b>Description</b>	<p>One specialty module will be showcased each year. In 2020, this specialty will consist of four head and neck cases.</p> <p>Proficiency testing for laboratories and pathologists reporting head and neck cytopathology. Educational resource for other laboratories and trainees.</p> <p>Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.</p>
<b>Cases and Frequency</b>	4 virtual cases per survey / 1 survey per year
<b>Tests</b>	Non-gynaecological cytopathology

## Technical

<b>Description</b>	<p>Proficiency testing for laboratories performing general cytopathology processes.</p> <p>In 2020, the Technical Module will consist of a Romanowsky staining exercise. Participants will be supplied with an air-dried non-gynaecological sample for staining with a Romanowsky stain of their choice. The stained slide is then submitted to the RCPAQAP for assessment. A corresponding questionnaire will also be issued</p>
<b>Cases and Frequency</b>	1 exercise per survey / 1 survey per year
<b>Tests</b>	<p>Staining</p> <p>Technical</p>



## Haematology Discipline

Surveys are dispatched each month within the year with a wide range of samples for both routine and specialist Haematology testing.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

- Data Management – which includes result entry and all associated reports. A Participant Handbook and Schedules, along with all Result and Method Sheets are supplied in the RCPAQAP myQAP online customer portal [www.myqap.com.au](http://www.myqap.com.au). Note that participants must be enrolled in the full program in order to enrol in the data management option.
- Full program (material) – a complete set of material containing all the samples to be analysed for the full enrolment year is distributed to participants following enrolment.

### Data Management Only

Purchasing a Data Management enrolment is useful when the material from the Full Program can be shared with a second instrument or a satellite/branch laboratory on the same site. RCPAQAP cannot guarantee sample material transported to a secondary site. Please ensure the volume of material supplied in the full program is enough to be shared with a second instrument before purchasing a data management only enrolment.

## What's New in 2020

- Malaria morphology: USB will be provided containing the case studies, parasite density and miller ocular square.
- USB will be provided as an option (for a price) for the morphology, paediatric, and bone marrow programs.
- The program for Thrombophilia screen (PC, PS, AT and APCR) has been split into two: PC/PS/AT and APCR.
- Coagulation Factor 1 (FVIII and FIX) and Coagulation Factor 2 (FII, FV, FVII, FX, FXI and FXII) will be 2 separate programs with separate samples supplied for each.
- The volume for the von Willebrand Factor (vWF) program will change from 0.5mL (2x) to 1.0 mL.
- Retic program will receive separate samples for each option.
- The sale of 'additional material and instrument' will now be offered under all programs.

**Automated Differential**

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
WBC Differential	WCC, Neut/Gran, Lymph, Mono, Eos, Baso	Stabilised whole blood	2.0-3.5mL
Option	Compatible Instrument		
Option 1	Sysmex Corporation: XT series, XEseries, XS series, XN series, Mindray BC 5000/6000 series		
Option 2	Abbott Laboratories: Cell-Dyn 3000, 3200/Ruby, 3500, 3700, 4000/Sapphire		
Option 3	Beckman Coulter: Act 5 Diff, ABX Pentra 60C+		
Option 4	Bayer Diagnostics: ADVIA 120/2120		
Option 7	Beckman Coulter: STKS, MaxM, HMX, LH 500/750/755/780, GENS, Unicell DxH800		

*Note: If the instrument used is not listed in the above table, please contact RCPAQAP Haematology for selection of the correct module.*

**Bone Marrow Morphology: Virtual Microscopy**

1 case per survey / 2 surveys

Tests	Sample Type	Volume
Description & Diagnostic Interpretation of peripheral blood films, Bone Marrow aspirate and Trepine sections	Virtual images	

**CD34+**

2 samples per survey / 3 surveys

Tests	Sample Type	Volume
WCC	Stabilised whole blood	~0.8mL
%CD34		
Total CD34/uL		

**Coagulation Factors**

FVIII and FIX: 2 samples per survey / 6 surveys

FII, FV, FVII, FX, FXI FXII: 2 samples per survey / 3 surveys

Tests	Abbreviation	Sample Type	Volume
<b>Coagulation Factors VIII and IX</b>			
Factor VIII	FVIII	Lyophilised plasma	1mL
Factor IX	FIX		
<b>Coagulation Factors II, V, VII, X, XI and XII</b>			
Factor II	FII	Lyophilised plasma	1mL
Factor V	FV		
Factor VII	FVII		
Factor X	FX		
Factor XI	FXI		
Factor XII	FXII		

**D-Dimer**

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
D-Dimer – Automated	D-Dimer	Stabilised Liquid	1mL
D-Dimer – Semi quantitative	D-Dimer	Lyophilised plasma	0.5mL

**ESR**

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
<b>Erythrocyte Sedimentation Rate</b>	<b>ESR</b>	Stabilised whole blood	5.0mL
<b>Option</b>	<b>Compatible Instrument/Method</b>		
Option 1	All methods excluding StaRRsed users		
Option 2	StaRRsed users ONLY		

**Full Blood Count (FBC)**

2 samples per survey / 12 surveys

Tests	Abbreviation	Sample Type	Volume
White Blood Cells	WBC	Stabilised whole blood	1.5mL
Red Blood Cells	RBC		
Haemoglobin	Hb		
Haematocrit	HCT		
Mean Cell Volume	MCV		
Mean Cell Haemoglobin	MCH		
Mean Cell Haemoglobin Concentration	MCHC		
Red Cell Distribution Width – CV	RDW-CV		
Platelet	PLT		
Mean Platelet Volume	MPV		

**G6PD**

2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
Glucose-6-phosphate dehydrogenase Screen	G6PD Screen	Lyophilised haemolysate	0.5mL
Glucose-6-phosphate dehydrogenase Assay	G6PD Assay		

## Haematology Immunophenotyping

Haematology Immunophenotyping: 1 sample per survey / 4 surveys

Paroxysmal Nocturnal Haemoglobinuria: 2 samples per survey / 2 surveys

Option	Assays	Sample Type	Volume
Haematology Immunophenotyping	Haematology Immunophenotyping – (AML, T and B cell ALL and LPD-Diagnostic Interpretation)	Stabilised whole blood	~1.0mL
Paroxysmal Nocturnal Haemoglobinuria	PNH Testing	Stabilised whole blood	~1.0mL

The material assayed is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 3–4 days of dispatch. As such this program is only available to a limited number of destinations outside Australia, New Zealand, Malaysia, Singapore and Hong Kong. Please contact Customer Service at [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au) if you are outside these areas. **Note: Notification will be sent by email on the day of dispatch.**

## Haemostasis

2 samples per survey / 8 surveys

Tests	Abbreviation	Sample Type	Volume
Prothrombin Time	PT	Lyophilised plasma	1mL
International Normalised Ratio	INR		
Activated Partial Thromboplastin Time	APTT		
Fibrinogen	Fib		
Thrombin Time	TT		

## Haemoglobinopathy

1 sample per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Haemoglobin A <sub>2</sub>	Hb A <sub>2</sub>	Lyophilised haemolysate	1mL
Haemoglobin F	Hb F		
Variant Haemoglobin	Variant		

## Malarial Parasite – Rapid Diagnostic

2 samples per survey / 2 surveys

Tests	Sample Type	Volume
Malarial Parasite Rapid Diagnostic Test	HRP-II in buffer	100µL

## Malarial Parasite – Virtual Microscopy

Malaria Parasite Identification 2 cases per survey / 2 surveys

Malaria Parasite Density count 1 case per survey / 2 surveys

Tests	Sample Type	Volume
Malarial Parasite identification of thin and thick blood films.	Virtual images	
Malarial Parasite Density Count	Virtual images	

**Morphology**

3 cases per survey / 4 surveys

**Blood Film Differential Count**

1 case per survey / 12 surveys

Tests	Sample Type	Volume
Morphology Program	Blood Film/Virtual images	
Blood Film Differential Count	Blood Film	

**Paediatric Morphology: Virtual Microscopy**

2 cases per survey / 2 surveys

Tests	Sample Type	Volume
Description & Diagnostic Interpretation of Paediatric blood films	Virtual images	

**Point-of-Care – HemoCue WBC**

2 samples per survey / 4 surveys

Tests	Sample Type	Volume
WBC Differential Neut/Gran, Lymph, Mono, Eos, Baso	Stabilised whole blood	2.0mL

**Point-of-Care – INR**

2 samples per survey / 6 surveys

Tests	Abbreviation	Sample Type	Volume
International Normalised Ratio	INR	Lyophilised plasma + H <sub>2</sub> O + CaCl <sub>2</sub>	0.5mL

**Reticulocyte**

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Reticulocyte count	Retic count	Stabilised whole blood	1-2.0mL
<b>Option</b>	<b>Compatible Instrument/Method</b>		
Option 1	Manual Reticulocyte counting		
Option 2	Beckman Coulter (STKS, MAXM, HmX) Sysmex Corporation: XT2000i, XE2100, XE5000, XT4000i, XN10) Abbott (Cell Dyn 3200/Ruby, 3500, 3700, 4000/Sapphire Siemens ADVIA		
Option 3	Beckman Coulter (Gen.S, LH500, LH750, LH755 & UniCell DxH 800)		



## Special Haemostasis

Lupus Anticoagulant : 2 samples per survey / 3 surveys

Other options: 2 samples per survey / 2 surveys

Option	Assays	Sample Type	Volume
Lupus Anticoagulant	Lupus Anticoagulant	Lyophilised plasma	2mL
Protein C, Protein S and Antithrombin	Protein C, Protein S and Antithrombin	Lyophilised plasma	1mL
APC resistance	APC resistance	Lyophilised plasma	1mL
von Willebrand Factor	von Willebrand Factor	Lyophilised plasma	1mL
FVIII Inhibitor	FVIII Inhibitor	Lyophilised plasma	1mL
PFA-100/200 analysis	PFA-100/200 analysis	Tube with dried agonist	
<b>Heparin Monitoring</b>		Lyophilised plasma	1mL
Unfractionated Heparin Monitoring	Unfractionated Heparin Monitoring		
Low Molecular Weight Heparin Monitoring	Low Molecular Weight Heparin Monitoring		
<b>Direct Oral Anticoagulants</b>		Lyophilised plasma	1mL
Dabigatran (Thrombin Inhibitor)	Dabigatran (Thrombin Inhibitor)		
Apixaban (Anti Xa)	Apixaban (Anti Xa)		
Rivaroxaban (Anti Xa)	Rivaroxaban (Anti Xa)		
Factor XIII (Screen and Assay)	Factor XIII (Screen and Assay)	Lyophilised plasma	1mL

*Note: Participants enrolling in the Heparin Monitoring must enrol in both options if monitoring unfractionated and low molecular weight heparin.*

## Thromboelastometry

2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
ROTEM Delta	Clotting test	Lyophilised plasma + Diluent	1.5mL
ROTEM Sigma	Clotting test	Lyophilised plasma + Diluent + Adapter	3.0mL

## Thromboelastography

2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
TEG 6s	Clotting test	Lyophilised plasma + Diluent	1.5mL
TEG 5000	Clotting test	Lyophilised plasma + CaCl <sub>2</sub>	1.5mL

## Additional Programs for Overseas Participants only

The following programs are **ONLY** available to participants outside Australia and New Zealand.

### Condensed Full Blood Count (FBC)

2 samples per survey / 6 surveys

Tests	Abbreviation	Sample Type	Volume
White Blood Cells	WBC	Stabilised whole blood	1.5mL
Red Blood Cells	RBC		
Haemoglobin	Hb		
Haematocrit	HCT		
Mean Cell Volume	MCV		
Mean Cell Haemoglobin	MCH		
Mean Cell Haemoglobin Concentration	MCHC		
Red Cell Distribution Width – CV	RDW-CV		
Platelet	PLT		
Mean Platelet Volume	MPV		

### Condensed Haemostasis

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Prothrombin Time	PT	Lyophilised plasma	1mL
International Normalised Ratio	INR		
Activated Partial Thromboplastin Time	APTT		
Fibrinogen	Fib		
Thrombin Time	TT		

## Additional Programs for Australian and NZ Participants only

The following programs are **ONLY** available to participants in Australia and New Zealand.

### Point of Care - Condensed Full Blood Count (FBC)

2 samples per survey / 6 surveys

Tests	Abbreviation	Sample Type	Volume
White Blood Cells	WBC	Stabilised whole blood	1.5mL
Red Blood Cells	RBC		
Haemoglobin	Hb		
Haematocrit	HCT		
Mean Cell Volume	MCV		
Mean Cell Haemoglobin	MCH		
Mean Cell Haemoglobin Concentration	MCHC		
Red Cell Distribution Width – CV	RDW-CV		
Platelet	PLT		
Mean Platelet Volume	MPV		



# Immunology Discipline

Participating laboratories may select from a group of RCPAQAP Immunology program modules that comprehensively cover the assays performed in Clinical Immunology.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

***Please take note of the program changes that are occurring in 2020 and that were implemented in 2019, they may affect your enrolment.***

## General

All Immunology programs are made of two components:

- Data Management – which includes result entry and all associated reports. A Participant Handbook and Schedules, along with all Result and Method Sheets are supplied in the RCPAQAP myQAP online customer portal [www.myqap.com.au](http://www.myqap.com.au). Note that participants must be enrolled in the full program in order to enrol in the data management option.
- Full program (material) – a complete set of material containing all the samples to be analysed for the full enrolment year is distributed to participants following enrolment.

## Data Management Only

Purchasing a Data Management enrolment is useful when the material from the Full Program can be shared with a second instrument or a satellite/branch laboratory on the same site. RCPAQAP cannot guarantee sample material transported to a secondary site. Please ensure the volume of material supplied in the full program is enough to be shared with a second instrument before purchasing a data management only enrolment.

## What's New in 2020

- |  |  |
|--|--|
| • B Cell Subsets   | New program offered for the enumeration of Memory B Cells.                   |
| • Liver Antibodies   | New program offered for the identification of liver-specific autoantibodies. |
| • IgD  | Sample number decreased from 8 samples to 4 samples per year.                |
| • Myositis Antibodies  | Reporting of TIF1 $\gamma$ , MDA5, NXP2, SAE have been enabled.              |
| • Rheumatic Disease Serology   | Reporting of histones and centromere have been enabled.                      |
| • Data Management options are now available for all Immunology programs. |  |

**AntiNuclear Antibodies**

2 samples per survey / 10 surveys

Test	Abbreviation	Sample Type	Volume
Anti-Nuclear antibodies pattern	ANA pattern	Serum	500µL
Anti-Nuclear antibodies titre	ANA titre		

**AntiPhospholipid Antibodies**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Cardiolipin IgG, IgA and IgM antibodies	aCL Abs	Serum	500µL
β2 Glycoprotein 1 IgG, IgA and IgM antibodies	β2GP1 Abs		

**Anti-Saccharomyces cerevisiae Antibodies**

1 sample per survey / 6 surveys

Test	Abbreviation	Sample Type	Volume
Anti-Saccharomyces cerevisiae IgA and IgG Antibodies	ASCA	Serum	500µL

**B Cell Subsets**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
B Cells of the following phenotypes (percentage of PBLs and B Cells): CD19 <sup>+</sup> , CD19 <sup>+</sup> /CD27 <sup>+</sup> , CD19 <sup>+</sup> CD27 <sup>-</sup> /IgM <sup>+</sup> /IgD <sup>+</sup> , CD19 <sup>+</sup> /CD27 <sup>+</sup> /IgM <sup>-</sup> /IgD <sup>-</sup> , CD19 <sup>+</sup> /CD21lo <sup>-</sup>	EDTA Whole blood	500µL

The material assayed is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 48 hours of dispatch. As such this program is only available to a limited number of destinations outside Australia, New Zealand and Malaysia. Please contact Customer Service at [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au) if you are outside these areas.

**Bee Venom IgE**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Specific IgE to Bee Venom ( <i>Apis mellifera</i> )	Serum	500µL

**Coeliac Serology**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Deamidated Gliadin IgG and IgA Tissue transglutaminase IgG and IgA Endomysial antibodies	Serum	500µL

**Cyclic Citrullinated Peptide**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Cyclic citrullinated peptide antibody	Serum	500µL

**Drug Allergens**

1 sample per survey / 4 surveys

Test	Sample Type	Volume
Specific IgE to Drugs (Latex, Morphine, Chlorhexidine, Penicilloyl V, Penicilloyl G, Cefaclor, Suxamethonium (Succinylcholine), Ampicilloyl, Amoxicilloyl)	Serum	500µL

**Food Allergens**

1 sample per survey/ 8 surveys

Test	Sample Type	Volume
Specific IgE to Food Allergens (Prawn, peanut, cashew, cow's milk, egg, sesame seed, soy, wheat grain, Omega-5 gliadin, Ovomucoid, Ara-h2)	Serum	500µL

**Fungal and Avian Antibodies**

1 sample per survey / 4 surveys

Test	Sample Type	Volume
IgG antibodies to <i>Aspergillus fumigatus</i> IgG antibodies to Budgie IgG antibodies to Pigeon	Serum	500µL

**High Sensitivity CRP**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
High sensitivity CRP (<20mg/L)	Serum	500µL

**HLA B27 Status**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Human Leukocyte Antigen B27	EDTA whole blood	1mL

The material assayed is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 48 hours of dispatch. As such this program is only available to a limited number of destinations outside Australia, New Zealand and Malaysia. Please contact Customer Service at [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au) if you are outside these areas.

**Immunoglobulin D**

1 sample per survey / 4 surveys

Test	Sample Type	Volume
Immunoglobulin D	Serum	500µL

**Immunoglobulin E**

2 samples per survey / 8 surveys

Test	Sample Type	Volume
Immunoglobulin E	Serum	500µL

**Immunoglobulin G Subclasses**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
IgG1	Serum	500µL
IgG2		
IgG3		
IgG4		
Calculated subclass sum and IgG level obtained by total IgG assay		

**Immunophenotyping**

2 samples per survey / 8 surveys

Test	Sample Type	Volume
Lymphocytes of the following phenotypes (percentages): CD <sup>3+</sup> , CD <sup>3+</sup> CD <sup>4+</sup> , CD <sup>3+</sup> CD <sup>8+</sup> , CD <sup>19+</sup> , CD <sup>3+</sup> CD <sup>16+</sup> , CD <sup>3+</sup> CD <sup>56+</sup> , CD <sup>3+</sup> CD <sup>16+</sup> CD <sup>56+</sup> , Alpha-Beta	EDTA whole blood with commercial cell stabiliser	1mL
Double negative or double positive lymphocyte percentages		
Lymphocytes of the following phenotypes (absolute numbers); CD <sup>3+</sup> , CD <sup>3+</sup> CD <sup>4+</sup> , CD <sup>3+</sup> CD <sup>8+</sup> , CD <sup>19+</sup>		

The material assayed is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 3–4 days of dispatch. As such this program is only available to a limited number of destinations outside Australia, New Zealand, Malaysia, Singapore and Hong Kong. Please contact Customer Service at [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au) if you are outside these areas.

**Inhalant Allergens**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Cat epithelium/dander	Serum	1mL
Rye grass pollen		
Bermuda grass		
House dust mite ( <i>Dermatophagoides pteronyssinus</i> )		
<i>Aspergillus fumigatus</i>		
<i>Alternaria alternata/tenuis</i>		
Grass Pollen mix		
Animal Epithelium mix		
Mould mix		
Birch		

**Liver Antibodies**

1 sample per survey / 4 surveys

Test	Sample Type	Volume
Liver specific autoantibodies: AMA-M2, M2-3E, LKM-1, LC-1, SLA/LP, Sp100, gp210, PML, Ro-52	Serum	400µL

**Myasthenia Gravis Antibodies**

1 sample per survey / 4 surveys

Test	Abbreviation	Sample Type	Volume
Acetylcholine Receptor Antibodies	AChR	Serum/Plasma	400µL
Skeletal (Striated) Muscle Antibodies	Anti-Str		

**Myositis Specific and Scleroderma Antibodies**

1 sample per survey / 6 surveys

Test	Abbreviation	Sample Type	Volume
Myositis and scleroderma antibodies	Mi-2, Mi-2α, Mi-2β, Ku, RNA Pol III, Cenp, MDA5, NXP2, SAE1, TIF1γ, PL-7, OJ, EJ, Jo-1, PM-Scl, others as appropriate	Serum	400µL

**Neuronal Antibodies**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Antibodies to Paraneoplastic Antigens (anti-Hu, anti-Yo, anti-Ri, anti-CV2, anti-Ma2, anti-amphiphysin etc)	NMDA-R	Serum	500µL
Anti-NMDA Receptor Antibodies	NMO/AQP4		
Neuromyelitis Optica Antibodies			

**Paraproteins**

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Paraprotein identification and concentration (serum)	Serum	500µL
Paraprotein identification and concentration (urine)	Urine	20mL

**Procalcitonin**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Procalcitonin	PC	Lyophilised serum	500µL

**Rheumatic Disease Serology**

1 sample each for ENA and DNA per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Extractable Nuclear Antigen Abs (SS-A, SS-B, PCNA, Jo-1, PM-Scl, Sm, Ribosomal P, Ro52, RNP, Scl-70, Histones, Centromere, UPL)	ENA	Serum	500µL
Anti-double stranded DNA antibodies	dsDNA		
Nucleosome antibodies	NuA		

**Rheumatoid Factor**

2 samples per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Rheumatoid Factor	RF	Serum	500µL

**Serum Free Light Chains**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Serum free kappa light chains	FKLC	Serum/Plasma	500µL
Serum free lambda light chains	FLLC		
Serum free light chain ratio	K:L Ratio		

**Skin Antibodies**

1 sample per survey / 6 surveys

Test	Abbreviation	Sample Type	Volume
Skin antibodies (intercellular substance, basement membrane)	ICS, BMZ	Serum	650µL

**Specific Proteins**

Bi-annual program. 2 samples per survey/12 surveys

Test	Abbreviation	Sample Type	Volume
Immunoglobulin G	IgG	Serum	1mL
Immunoglobulin A	IgA		
Immunoglobulin M	IgM		
Complement component 3	C <sub>3</sub>		
Complement component 4	C <sub>4</sub>		
α-1-antitrypsin	A1AT, AAT		
C1 esterase inhibitor	C1-inh		
Haptoglobin	Hapt		
Caeruloplasmin	Caeruloplasmin		
Prealbumin	Transthyretin		

**Thyroid Antibodies**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Thyroglobulin antibodies	TgAb	Serum	500µL
Thyroid microsome antibodies	TPO		
Thyroid receptor antibodies	TRAb		



**Tissue Autoantibodies**

1 sample per survey/ 8 surveys

Test	Abbreviation	Sample Type	Volume
Gastric Parietal Cell antibodies	APC	Serum	500µL
Smooth Muscle antibodies	SMA		
F-Actin antibodies	F-actin		
Mitochondrial antibodies	AMA		
Liver/Kidney Microsome antibodies	LKM		
Intrinsic Factor antibodies (Blocking antibody)	IF		

**Tryptase**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Mast Cell Tryptase	Trypt	Serum	500µL

**Type I Diabetes Antibodies**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Islet cell antibodies	ICA	Serum	500µL
Glutamic Acid Decarboxylase antibodies	GAD		
Insulinoma-associated-2 autoantibodies	IA2 antibodies		

**Vasculitis Serology**

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Anti-neutrophil Cytoplasmic Antibodies	ANCA	Serum	500µL
Myeloperoxidase Antibodies	MPO-ANCA		
Proteinase 3 Antibodies	PR3-ANCA		
Anti-glomerular basement membrane	GBM		

**Case Study Module**

This program offers Immunology clinical case studies. This is a paperwork only program and no samples are provided. Five clinical cases are provided per year and the program is available to all staff from an enrolled Participant site.

Please note that all responses are returned to the primary contact for review and distribution.

**Serum Exchange Program**

The Serum Exchange Program is designed to provide EQA for rare disorder analytes with low participant numbers. Programs and analytes covered will be reliant on laboratories to source and donate suitable samples. Participants will be emailed to register interest in the program. At least two laboratories will be required for each Serum Exchange Program.

The reports will present data in a simple spreadsheet format with no targets established.

Laboratories interested in participating in Serum Exchange Programs should contact the RCPAQAP via the myQAP portal.

## Sample Volumes

Note: Although every effort is made to provide the sample volumes listed above, it may be necessary on occasion to reduce the volume provided, as most samples are patient derived and supply can be limited.



# Key Incident Monitoring & Management Systems (KIMMS)

The Key Incident Monitoring & Management Systems (KIMMS) project was initiated by the Royal College of Pathologists of Australasia (RCPA). KIMMS aims to monitor the pre- and post-analytical phase of the laboratory quality system and is designed to provide pathology practices with the tools for continuous measurement and monitoring of key incident quality indicators.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

**KIMMS** # This program is non-accredited

4 surveys / year

Quality Indicators	Sample Type
Category	N/A
Pre-Analytical – Identification Incidents	
Pre-Analytical – Identifications Incidents Accepted/Rejected	
Pre-Analytical – Transfusion Incidents	
Pre-Analytical – Collection and Transport Incidents	
Pre-Analytical – Laboratory Incidents	
Post-Analytical	

## Data collection

Pathology practices are requested to collect data and return to RCPAQAP KIMMS [kimms@rcpaqap.com.au](mailto:kimms@rcpaqap.com.au) within specified dates. Identification and evaluation of incidents will provide valuable data to each practice to enable measurement, monitoring and improvement of these incidents and ultimately improve patient safety.



# Microbiology Discipline

The RCPAQAP Microbiology discipline has been developed and evolved under the guidance of the RCPAQAP Microbiology Advisory Committee.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## What's New in 2020

- For 2020 enrolments, all Molecular Infectious Diseases programs, currently offered under Serology, will be displayed and available for selection under the Microbiology discipline in the myQAP portal.

Previous Molecular Infectious Diseases reports will continue to be available for access and review ONLY by using your Serology Molecular Infectious Diseases Participant Number which will remain active in our system.

For enrolment in any 2020 Molecular Infectious Diseases module, participants will require a Microbiology Participant Number. We believe that this change will benefit our customers by allowing participants to order all their molecular infectious diseases programs in one central location using one participant number.

- The Molecular Gastrointestinal Pathogens programs (Bacteria, Parasites, Viral) have increased from one to two surveys per year.
- In the Bacteriology Program, Genital Swabs and Wound Anaerobes are now separate modules. Skin/Ear/Eye/Throat Pathogens is now split into Skin/Ear/Eye Pathogen and Nose/Throat Pathogen modules.

**Bacteriology**

1-2 samples per survey / 4 surveys

Difficult/Blood Culture/Sterile sites module: 1 sample per survey / 8 surveys

Test	Sample Type	Volume after reconstitution
Difficult/Blood Culture Isolates	Lyophilised sample	1mL
Faecal Pathogens	Lyophilised sample	1mL
Genital Swabs	Lyophilised sample	1mL
Mycobacteriology Acid Fast Smears	Unstained smear on glass slide	n/a
Mycobacteriology Culture	Lyophilised sample	1mL
Nose/Throat Pathogens	Lyophilised sample	1mL
Respiratory Pathogens	Lyophilised sample	1mL
Skin/Eye/Ear Pathogens	Lyophilised sample	1mL
Urine	Lyophilised sample	1mL or 5mL
Wound Anaerobes	Lyophilised sample	1mL

**Bacterial Serotyping**

6 samples per survey / 4 surveys

Test	Sample Type	Volume after reconstitution
Serotyping of <i>Streptococcus pneumoniae</i> , <i>Haemophilus species</i> , <i>Neisseria meningitidis</i>	Lyophilised sample	1mL

***Clostridium difficile* Laboratory Detection**

4 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Detection of <i>Clostridium difficile</i> – culture, antigen and toxin.	Lyophilised sample	2mL

**Endoscopes/Bronchoscopes Surveillance Culture**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Microbiological Surveillance Culture for endoscopes and bronchoscopes	Lyophilised sample	1mL

**Mycology**

3 samples per survey / 4 surveys

Test	Sample Type	Volume
Dermatophytes, systemic mycotic pathogens, clinically significant yeast and contaminants of interest. Susceptibility testing of yeasts	liquid	1mL

**Parasitology**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Protozoa, helminths and samples containing faecal artefacts. Acid fast staining of oocysts	Fixed faecal suspensions or Unstained smears on glass slide	1mL

**STAT Microscopy**

2 samples per survey / 4 surveys

Test	Sample Type	Volume after reconstitution
Includes urine cell counts and Gram stains of samples	Lyophilised samples and Unstained smear on glass slide	1mL or 5mL

**Urine Dipstick Chemistry**

2 samples per survey / 4 surveys

Test	Sample Type	Volume after reconstitution
Leukocyte esterase Blood Glucose Protein Nitrite	Lyophilised sample	1mL

**Vancomycin-Resistant Enterococci (VRE)**

4 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
VRE screening, phenotypic testing, antibiotic susceptibility testing and/or molecular testing.	Lyophilised sample	1mL

***Streptococcus pneumoniae* – Urinary antigen detection**

4 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Detection of pneumococcal antigen	Lyophilised sample	1mL

**Paperwork Only Program**

This module is designed for manufacturers and sponsors (distributors) of kits. Participants enrolled in the 'Paperwork Only' **do not** receive samples.

## Molecular Infectious Diseases

These programs are for the detection, identification or quantitation of bacteria, viruses, fungi and parasites using molecular assays / technology.

### Alphavirus and Flavivirus NAT

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection and identification of Alphaviruses and Flaviviruses using molecular assays Alphavirus Group, Barmah Forest virus, Chikungunya virus, Ross River virus, Sindbis virus, Flavivirus Group, Dengue virus, Japanese Encephalitis virus, Kunjin virus, Murray Valley Encephalitis virus, Yellow Fever virus, West Nile virus, Zika virus * Dispatched on dry ice	Inactivated viral culture lysate*	0.25mL

### *Bordetella pertussis*

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of <i>Bordetella pertussis</i> using molecular assays	Lyophilised sample	1mL

### *Chlamydia trachomatis* and *Neisseria gonorrhoeae*

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> using molecular assays	Lyophilised sample	5mL

### Cytomegalovirus (Qualitative/ Quantitative)

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the qualitative and quantitative detection of CMV using molecular assays	Lyophilised sample	1mL

### Enterovirus

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of Enteroviruses including Parechovirus using molecular assays	Lyophilised sample	1mL

**Gastrointestinal Pathogens - Bacteria**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of Gastrointestinal Bacteria Pathogens using molecular assays Multiplex Assays, <i>Aeromonas hydrophila</i> <i>Campylobacter</i> sp, <i>Escherichia coli</i> O157, <i>Salmonella</i> sp, <i>Shigella</i> sp, <i>Vibrio</i> sp, <i>Yersinia</i> sp)	Lyophilised sample	1mL

**Gastrointestinal Pathogens - Parasites**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of Gastrointestinal Parasite Pathogens using molecular assays Multiplex Assays, <i>Blastocystis hominis</i> , <i>Cryptosporidium</i> sp, <i>Dientamoeba fragilis</i> , <i>Entamoeba histolytica</i> , <i>Giardia</i> sp	Liquid sample	1mL

**Gastrointestinal Pathogens - Viral**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection of Gastrointestinal Viral Pathogens using molecular assays Multiplex Assays, Adenovirus, Astrovirus, Norovirus, Rotavirus, Sapovirus	Inactivated viral culture lysate	0.5mL

**Hepatitis B DNA (Qualitative/ Quantitative)**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Clinical material provided to assess the qualitative and quantitative detection of Hepatitis B DNA HBV Qualitative DNA, HBV Quantitative DNA, HBV Viral load * Dispatched on dry ice	Plasma*	1.2mL

**Hepatitis C Genotyping**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Clinical material provided to assess the genotype of Hepatitis C * Dispatched on dry ice	Plasma*	1.2mL

**Hepatitis C RNA (Qualitative/ Quantitative)**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Clinical material provided to assess the qualitative and quantitative detection of Hepatitis C RNA HCV Qualitative RNA, HCV Quantitative RNA, HCV Viral load * Dispatched on dry ice	Plasma*	1.2mL



**Herpes simplex virus**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of HSV types 1 and 2 using molecular assays	Lyophilised sample	1mL

**HIV-1 RNA (Quantitative)**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Clinical material provided to assess the quantitative detection of HIV RNA HIV-1 RNA Quantitative, HIV Viral load * Dispatched on dry ice	Plasma*	1.2mL

**Human Papillomavirus DNA**

3 samples per survey / 4 surveys

Test	Sample Type	Volume
Clinical material provided to assess the detection and typing of HPV DNA using molecular assays HPV DNA Hybrid Capture Low Risk Method, HPV DNA Hybrid Capture High Risk Method, HPV DNA Molecular Methods	PreservCyt® Solution (4mL hc2/Cervista)	2mL

**Influenza**

6 samples per survey / 3 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection and typing of Influenza using molecular assays Influenza A Matrix, Influenza A H1, Influenza A H1 (pandemic), Influenza A H3, Influenza A H5, Influenza A H7, Influenza A N1 (avian), Influenza A N1 (pandemic), Influenza B	Inactivated viral culture lysate	0.5mL

**mecA/nuc gene**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of MRSA (mecA/nuc genes) using molecular assays	Lyophilised sample	1mL

**Mycobacterium tuberculosis / Mycobacterium avium complex**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of <i>Mycobacterium tuberculosis</i> & <i>Mycobacterium avium</i> complex and rifampicin resistance in <i>M. tuberculosis</i> complex using molecular assays	Lyophilised sample	1mL

**Neisseria meningitidis**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of <i>Neisseria meningitidis</i> using molecular assays	Lyophilised sample	1mL

**Rapid Diagnostics Influenza/RSV**

4 samples per survey / 3 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection of Influenza and RSV using molecular rapid detection methods Influenza A, Influenza B, RSV	Inactivated viral culture lysate	0.8mL

**Respiratory Pathogens**

3 samples per survey / 6 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection and identification of Respiratory Pathogens using molecular assays Multiplex Assays, Adenovirus, <i>Bordetella spp</i> , <i>Chlamydomphila pneumoniae</i> , Coronavirus, Enterovirus, human Metapneumovirus, Influenza, <i>Legionella pneumoniae</i> , <i>Mycoplasma pneumoniae</i> , Parainfluenza 1-4, <i>Pneumocystis jirovecii</i> , Rhinovirus, RSV	Inactivated viral culture lysate	0.5mL

**Vaccine Preventable Pathogens**

6 samples per survey / 2 surveys

Test	Sample Type	Volume
Simulated clinical material provided to assess the detection and identification of Vaccine Preventable Pathogens using molecular assays Multiplex Assays, <i>Bordetella sp</i> , Influenza A/B, Measles, Mumps, Rubella, <i>Varicella zoster virus</i>	Inactivated viral culture lysate	0.5mL

**Varicella zoster virus**

6 samples per survey / 2 surveys

Test	Sample Type	Volume after reconstitution
Simulated clinical material provided to assess the detection of <i>Varicella zoster virus</i> using molecular assays	Lyophilised sample	1mL



# Molecular Genetics Discipline

The RCPAQAP Molecular Genetics discipline provides a range of quality assurance modules for an array of inherited disorders, somatic cancers and molecular genetics techniques.

There is a comprehensive panel of modules on offer from RCPAQAP Molecular Genetics (which further incorporates Molecular Haematology Modules and Sample Exchanges), the European Molecular Genetics Quality Network (EMQN), Cystic Fibrosis European Network (CF Network) and United Kingdom National External Quality Assessment Service Leucocyte Immunophenotyping (UKNEQASLI).

For further information on EMQN, CF Network and UK NEQAS LI quality assurance programs, please visit their websites:

EMQN: [Click Here](#)

CF Network: [Click Here](#)

UK NEQAS LI: [Click Here](#)

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## What's New in 2020

- ALK Translocation in NSCLC module
  - This module will be moved to the RCPAQAP Anatomical Pathology discipline under the ALK Translocation program as IHC, FISH, or Molecular modules.
  - Laboratories are required to enrol using their Anatomical Pathology participant number. Please contact RCPAQAP Customer Service if you do not have an existing Anatomical Pathology participant number.
- FMR1-Related Disorders
  - No longer offered by the RCPAQAP and instead will be available through the EMQN (enrolment available through the myQAP portal).
- IDH Mutation Analysis in Glioma
  - This sample exchange will be offered as a pilot quality assurance program.
- Quality Assessment of DNA/FFPE DNA Extract modules
  - In addition to laboratories submitting their DNA samples for quality assessment, a single benchmarking specimen will be provided for DNA extraction in both modules.
- Collaboration with UK NEQAS LI
  - Two modules: BCR-ABL1 Major Quantification and BCR-ABL1 Minor Quantification
  - Enrolment is available through the myQAP portal
- Myeloproliferative Neoplasms (previously JAK2) module
  - JAK2 module renamed and expanded to include testing for JAK2, CALR and MPL genes.

## What's New in 2020 (continued)

- FLT3 module
  - Expanded to include testing for both ITD and TKD mutation status.
- Laboratories are still required to utilise their Haematology participant number if they are enrolled in the Molecular Haematology program.
- The number of samples and frequency have changed for some programs following participant feedback.
- Additional sample requests will incur administration and processing fees.

## RCPAQAP Programs

### HLA Genotyping

Test	No. of Samples / Frequency	Sample Type
Coeliac Disease HLA Genotyping	5 samples / 1 survey	DNA
Human Leukocyte Antigen B*57	2 samples / 4 surveys	DNA

### Technical

Test	No. of Samples / Frequency	Sample Type
Maternal Cell Contamination	3 family trios / 1 survey	DNA
Sanger DNA Sequencing	2 samples (4 sequencing reactions) / 1 survey	PCR products
Quality Assessment of DNA Extracts # This program is non-accredited	5 samples / 1 survey	DNA from various tissue types (except FFPE tissue)
Quality Assessment of FFPE DNA Extracts # This program is non-accredited	5 samples / 1 survey	DNA from FFPE tissue

### Oncology

Test	No. of Samples / Frequency	Sample Type
Mutation Detection in Melanoma (BRAF, NRAS)	5 samples / 1 survey	FFPE Tissue (patient-derived & synthetic tissue)
Mutation Detection in Lung Cancer (NSCLC) (EGFR)	5 samples / 1 survey	
Mutation Detection in Colorectal Cancer (KRAS, NRAS)	5 samples / 1 survey	
IDH Mutation Analysis in Glioma # This program is non-accredited	3 samples / 1 survey	
Circulating tumour DNA (ctDNA) for Somatic Mutation Detection	5 samples / 1 survey	ctDNA

**Sample Exchange** # These three programs are non-accredited

Test	No. of Samples / Frequency	Sample Type
MGMT Hypermethylation	3 samples / 1 survey	FFPE Tissue
PTEN	3 samples / 1 survey	DNA
Kennedy's Disease	3 samples / 1 survey	

**Generic Report**

Test	Material
Mutation Detection in Melanoma (BRAF, NRAS)	Generic Report
Mutation Detection in Lung Cancer (NSCLC) (EGFR)	Generic Report
Mutation Detection in Colorectal Cancer (KRAS, NRAS)	Generic Report
BCR-ABL1 Major Quantification	Generic Report
BCR-ABL1 Minor Quantification	Generic Report

**Molecular Haematology**

Test	No. of Samples / Frequency	Sample Type
Acute Myeloid Leukemia NGS Panel testing	2 samples / 1 survey	DNA
Thrombosis (F5, F2, MTHFR)	4 samples / 2 surveys	DNA
Hereditary Haemochromatosis (HFE)	4 samples / 2 surveys	DNA
BCR-ABL Qualitative Testing	3 samples / 1 survey	RNA
Immunogenotyping (IgH, TCR)	3 samples / 1 survey	DNA
Chimerism Analysis	5 samples (incl. donor and recipient) / 1 survey	DNA
Thalassemia (alpha, beta)	3 samples / 2 surveys	DNA
Myeloproliferative Neoplasms (JAK2, CALR, MPL)	4 samples / 2 surveys	DNA
PML/RAR $\alpha$	3 samples / 1 survey	RNA
FLT-3 ITD and TKD	3 samples / 1 survey	DNA
NPM1	3 samples / 1 survey	DNA
IDH Mutation Analysis in AML (IDH1, IDH2)	3 samples / 1 survey	DNA
TP53 deletions at 17p13.1 in CLL (FISH)	3 samples / 1 survey	Interphase nuclei (peripheral blood or bone marrow)

*Note: Available to order in myQAP under the Haematology Discipline*

**CF Network Program**

Test	No. of Samples / Frequency	Sample Type
Cystic Fibrosis	3 samples / 1 survey	Purified DNA

## EMQN Programs

### Germline mutation scheme

Test	No. of Samples / Frequency	Sample Type
Autosomal Dominant Polycystic Kidney disease	3 samples / 1 survey	DNA in TE (All germline tests)
Beckwith-Wiedemann and Silver-Russell syndromes (BWS/SRS)	3 samples / 1 survey	
Cardiac Arrhythmias	3 samples / 1 survey	
Charcot-Marie-Tooth Disease	3 samples / 1 survey	
Congenital Adrenal Hyperplasia	3 samples / 1 survey	
Duchenne/Becker Muscular Dystrophy	3 samples / 1 survey	
Familial Adenomatous Polyposis Colon Cancer	3 samples / 1 survey	
Familial autosomal dominant hypercholesterolemia	3 samples / 1 survey	
Familial SHOX-related disorders	3 samples / 1 survey	
Fragile X Syndrome (Full version)	3 samples / 1 survey	
Fragile X Syndrome (Pre-screening only version)	3 samples / 1 survey	
Friedreich Ataxia	3 samples / 1 survey	
Hereditary Breast and Ovarian Cancer (BRCA1/2 targeted testing only)	3 samples / 1 survey	
Hereditary Breast and Ovarian Cancer (Panel testing version)	3 samples / 1 survey	
Hereditary Deafness – GJB2/GJB6	3 samples / 1 survey	
Hereditary Haemochromatosis	3 samples / 1 survey	
Hereditary Recurrent Fevers	4 samples / 1 survey	
Huntington Disease	3 samples / 1 survey	
Hypertrophic Cardiomyopathies	3 samples / 1 survey	
Lynch Syndrome	3 samples / 1 survey	
Mitochondrial DNA (mtDNA) metabolic disorders**	3 samples / 1 survey	
Monogenic Diabetes	3 samples / 1 survey	
Multiple Endocrine Neoplasia Type 2	3 samples / 1 survey	
Myotonic Dystrophy (Types 1 and 2)	3 samples / 1 survey	
Osteogenesis imperfecta	3 samples / 1 survey	
Pharmacogenetics (drug intolerance and effectivity)	3 samples / 1 survey	
Phenylketonuria	3 samples / 1 survey	
Porphyrias	3 samples / 1 survey	

Test	No. of Samples / Frequency	Sample Type
Prader-Willi & Angelman Syndromes	3 samples / 1 survey	
Retinoblastoma	3 samples / 1 survey	
RYR1 related myopathies and malignant hyperthermia susceptibility (Pilot)	3 samples / 1 survey	
Spinal Muscular Atrophy	3 samples / 1 survey	
Spinocerebellar Ataxia	3 samples / 1 survey	
Stickler Syndrome(Pilot)	3 samples / 1 survey	
Von Hippel Lindau Syndrome	3 samples / 1 survey	
Wilson Disease	3 samples / 1 survey	
Y-Chromosome Microdeletions	3 samples / 1 survey	

**\*\*Collaboration between the RCPAQAP and EMQN.**

### Somatic mutation scheme

Test	No. of Samples / Frequency	Sample Type
Molecular testing in Lung Cancer	10 samples / 1 survey	Mix of real tissue and artificial paraffin embedded materials
Molecular testing in Melanoma	10 samples / 1 survey	
Molecular testing in sporadic Colorectal Cancer	10 samples / 1 survey	
Oncogene panel testing	3 samples / 1 survey	Rolled sections of paraffin embedded materials
Molecular testing of BRCA genes in Ovarian Cancer (vGermline)	3 samples / 1 survey	Genomic DNA
Molecular testing of BRCA genes in Ovarian Cancer (vSomatic)	3 samples / 1 survey	Rolled sections of paraffin embedded materials
Molecular testing of cfDNA in plasma for EGFR gene mutations (pilot)	1 survey	Plasma containing ctDNA
Molecular testing for RAS gene mutations in cfDNA (pilot)	1 survey	Plasma containing ctDNA

### Pharmacogenetic scheme

Test	No. of Samples / Frequency	Sample Type
Pharmacogenetics (drug intolerance and efficiency) (Pilot)	3 samples / 1 survey	DNA in TE

## Technical scheme

Test	No. of Samples / Frequency	Sample Type
Postnatal Constitutional CNV Analysis (array/NGS)	2 samples / 1 survey	Genomic DNA
DNA Sequencing - NGS (vGermline)	1 wet sample / 1 survey	Genomic DNA from cell lines
DNA Sequencing - NGS (vSomatic)	1 wet sample / 1 survey	Rolled section of paraffin embedded material
DNA Sequencing - Sanger	4 samples / 1 survey	Wet DNA in TE
Non-invasive prenatal testing (NIPT) for fetal sexing	1 survey	Plasma samples containing cfDNA
Non-invasive prenatal testing (NIPT) for common aneuploidies	1 survey	Plasma samples containing cfDNA

## UK NEQAS LI Program

Test	No. of Samples / Frequency	Sample Type
BCR-ABL1 Major Quantification	2 samples / 3 surveys	Lyophilised cell-lines
BCR-ABL1 Minor Quantification	2 samples / 2 surveys	Lyophilised cell-lines

*Note: Available to order in myQAP under the Haematology Discipline*



# Point-of-care Testing

The RCPAQAP recognises that PoCT is increasingly being used and that it is essential that the quality of the results generated by a PoCT device is of sufficient quality for patient care. International standards and guidelines recommend that where available, participation in an external quality assurance scheme is recommended for each test.

Please refer to the discipline-specific sections in this Catalogue for more information on these PoCT modules. Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

## Chemical Pathology

Condensed PoC General Serum Chemistry  
PoCT Troponin and HCG  
PoCT Blood Gases  
PoCT Blood Gases Condensed  
Urine Pregnancy  
On-Site Urine Toxicology Screening Program  
Oral Fluid Toxicology Screening Program  
Solutions Glucose Meter

## Serology

PoCT HIV  
PoCT Influenza A and B  
PoCT RSV Ag  
Alphavirus (Chikungunya)  
Brucella  
Cryptococcal Antigen  
Flavivirus (Dengue)  
*Helicobacter pylori*  
Hepatitis B surface Antigen (HBsAg)  
Hepatitis C Antibodies (HCV Ab)  
Hydatid  
Infectious Mononucleosis  
Legionella Urinary Antigen  
Leptospira IgM  
Syphilis

## Haematology

PoCT INR  
PoCT Thromboelastometry/Thromboelastography  
PoCT HemoCue WBC

## Microbiology

Urine Dipstick Chemistry

## Transfusion

Snake Venom Detection



# Serology Discipline

Key features of the program include;

- One sample dispatch per year with the exception of HIV Point-of-Care
- Comprehensive assessment of over 50 analytes;
- Detection of antibodies, antigens;
- Result entry via the website;
- Trend analysis with a minimum of 2 surveys/year (for most analytes);

Participants are able to request archived survey material, including relevant reports for validation studies. This may incur a postage and handling fee.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

## Sample Volumes

Note: Although every effort is made to provide the sample volumes listed below, it may be necessary on occasion to reduce the volume provided, as most samples are patient derived and supply can be limited.

## What's New in 2020

- For 2020 enrolments, all Molecular Infectious Diseases programs, currently offered under Serology, will be displayed and available for selection under the Microbiology discipline in the myQAP portal.

Previous Molecular Infectious Diseases reports will continue to be available for access and review ONLY by using your Serology Molecular Infectious Diseases Participant Number which will remain active in our system.

For enrolment in any 2020 Molecular Infectious Diseases module, participants will require a Microbiology Participant Number. We believe that this change will benefit our customers by allowing participants to order all their molecular infectious diseases programs in one central location using one participant number.

## Antenatal

### Rubella

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Rubella Avidity; Rubella IgG; Rubella IgM; Rubella Total Antibody	Serum/Plasma	0.7mL

**Syphilis**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Syphilis Total Antibody; Syphilis RPR; Syphilis Agglutination (TPHA/TPPA); Syphilis FTA-ab; Syphilis VDRL; Syphilis ICT; Syphilis IgG; Syphilis IgM; Syphilis Immunoblot	Serum/Plasma	0.5mL

**Bacterial****Brucella**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Brucella abortus Agglutination; Brucella melitensis Agglutination; Brucella abortus/melitensis/bovis/suis grp Agglutination; Brucella Anti-human Globulin; Brucella IgG-IgM Differential; Brucella CFT; Brucella IgG; Brucella IgM; Brucella immunocapture-agglutination (ICA)	Serum/Plasma	0.5mL

**Chlamydia genus**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Chlamydia genus IgA; IgG; IgM; Total Antibody Chlamydia pneumoniae IgA; IgG; IgM; Total Antibody Chlamydia psittaci IgA; IgG; IgM; Total Antibody Chlamydia trachomatis Antibody IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.3mL

**Helicobacter pylori**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
<i>Helicobacter pylori</i> IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.35mL

**Legionella**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Legionella IgG; IgM; Total Antibody (EIA & IFA) L. pneumophila and L. longbeachae	Serum	0.3mL

**Legionella Urinary Antigen**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Legionella Urinary Antigen Detection	Urine	1.0mL

**Mycoplasma**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Mycoplasma IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.5mL

**QuantiFERON® -TB (detection only)**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
QuantiFERON® -TB	Lyophilised Serum/Plasma	-

**Rickettsia**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Spotted Fever Group IgG; IgM; Total Antibody	Serum/Plasma	0.4mL
Typhus Group Typhus Group IgG; Typhus Group IgM ;Total Antibody		
Scrub Typhus Group IgG; IgM; Total Antibody		

**Streptococcus**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Streptococcus ASOT; Streptococcus Streptozyme; Streptococcus Anti-DNase B; Streptococcus Antistreptokinase	Serum/Plasma	0.5mL

**Hepatitis****Hepatitis A**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Anti-HAV IgG; Anti-HAV IgM; Anti-HAV Total Antibody	Serum/Plasma	0.5mL

**Hepatitis B**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
HBsAg; HBsAg-Confirmatory; Anti-HBs; Anti-HBc; Anti-HBc IgM; HBeAg; Anti-HBe	Serum/Plasma	1.5mL

**Hepatitis C**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
HCV Ag; HCV Ag-Ab; Anti-HCV; Anti-HCV; Anti-HCV-Confirmatory	Serum/Plasma	0.5mL

**Hepatitis D**

2 samples per survey / 1 survey

Test	Sample Type	Volume
HDAg; HDAg-Confirmatory; Anti-HD IgM; Anti-HDV Total Antibody	Serum/Plasma	0.5mL

**Hepatitis E**

2 samples per survey / 1 survey

Test	Sample Type	Volume
Anti-HEV IgG; Anti-HEV IgM; Anti-HEV Total Antibody	Serum/Plasma	0.3mL

**Infectious Mononucleosis**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Infectious Mononucleosis	Serum/Plasma	0.2mL

**Lymphadenopathy****Cytomegalovirus**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Cytomegalovirus Avidity; IgG; IgM; Total Antibody	Serum/Plasma	0.6mL

**Epstein Barr Virus**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
EBV Avidity; EBV EA and EBNA IgA; EBV EA IgA; EBV EA IgG; EBV EBNA IgG; EBV EBNA IgM; EBV VCA IgA; EBV VCA IgG; EBV VCA IgM; Heterophile Antibody	Serum/Plasma	0.6mL

**Toxoplasma**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Toxoplasmosis Avidity; IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.6mL

**Parasite & Spirochaete****Cryptococcal Antigen**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Cryptococcus Antigen Detection	Serum or culture supernatant	0.5mL

**Entamoeba**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Entamoeba (CIEP, EIA IHA & IFA)	Serum/Plasma	0.5mL

**Hydatid**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Hydatid (CIEP, CFT; ICT; IHA and Western Blot)	Serum/Plasma	0.25mL

**Leptospirosis**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Leptospirosis IgG; IgM; Total Antibody; Leptospirosis Agglutination	Serum	0.5mL

**Lyme Disease**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Lyme Disease IgG Confirmatory; IgM Confirmatory; IgG; IgM; Total Antibody	Serum/Plasma	0.5mL

**Schistosomiasis**

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Schistosomiasis Confirmatory; IgG; IgM; Total Antibody	Serum/Plasma	0.25mL

**Point-of-Care****Human Immunodeficiency virus (HIV)**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
HIV Antigen PoCT; HIV Antibody PoCT	Stabilised Whole blood/ Inactivated viral culture lysate	0.4mL

**Influenza A & B Antigen**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Influenza A Antigen PoCT; Influenza B Antigen PoCT	Inactivated viral culture lysate	0.5mL

**RSV Antigen**

2 samples per survey / 4 surveys

Test	Sample Type	Volume
RSV Antigen PoCT	Inactivated viral culture lysate	0.5mL

**Retroviral****Human Immunodeficiency Virus (HIV)**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
HIV Ag/Ab Combination; HIV Antibody ONLY; HIV Antigen ONLY; HIV Antigen ONLY Confirmatory; HIV 1/2 Antibody Confirmatory; HIV 1 Only Antibody Confirmatory; HIV 2 Only Antibody Confirmatory	Serum/Plasma/ Inactivated viral culture lysate	1.0mL

**Human T-lymphotropic Virus (HTLV)**

2 samples per survey / 6 surveys

Test	Sample Type	Volume
HTLV Antibody	Serum/Plasma	0.6mL

## Vaccine Preventable

### *Bordetella pertussis*

2 samples per survey / 2 surveys

Test	Sample Type	Volume
<i>Bordetella pertussis</i> IgA; IgG; IgM	Serum/Plasma	0.25mL
<i>Bordetella pertussis</i> Toxin & FHA IgA; Toxin & FHA IgG Toxin & FHA IgM		
<i>Bordetella pertussis</i> Toxin IgA; Toxin IgG; Toxin IgM		

### Influenza A and B Antibody

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Influenza A IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.5mL
Influenza B IgA; IgG; IgM; Total Antibody		

### Measles

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Measles IgG; IgM; Total Antibody	Serum/Plasma	0.25mL

### Mumps

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Mumps IgG; IgM; Total Antibody	Serum/Plasma	0.25mL

### Q fever

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Q fever Phase 1 IgA; IgG; IgM; Total Antibody	Serum/Plasma	0.4mL
Q fever Phase 2 IgA; IgG; IgM; Total Antibody		

### *Varicella zoster*

2 samples per survey / 2 surveys

Test	Sample Type	Volume
<i>Varicella zoster</i> IgG; IgM; Total Antibody	Serum/Plasma	0.35mL

## Viral

### Alphavirus

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Alphavirus IgG; IgM	Serum/Plasma	0.4mL
Barmah Forest Virus IgG; IgM; Total Antibody		
Chikungunya Virus IgG; IgM; Total Antibody		
Ross River Virus IgG; IgM; Total Antibody		
Sindbis Virus IgG; IgM; Total Antibody		

### Dengue virus – ONLY

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Dengue IgG: Sero-prevalence; Capture	Serum/Plasma	0.4mL
Dengue Virus IgM		
Dengue Virus NS1 Antigen		
Dengue Virus ICT NS1/IgG/IgM		

### Flavivirus

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Dengue IgG: Sero-prevalence; Capture	Serum/Plasma	0.4mL
Dengue Virus IgM; Total Antibody		
Dengue Virus NS1 Antigen		
Dengue Virus ICT NS1/IgG/IgM		
Flavivirus IgG; IgM; Total Antibody		
Japanese Encephalitis Virus IgG; IgM; Virus Total Antibody		
Kokobera Virus IgG; IgM; Total Antibody		
Kunjin (West Nile) Virus IgG; IgM; Total Antibody		
Murray Valley Encephalitis Virus IgG; IgM; Total Antibody		
Yellow Fever IgG; IgM; Total Antibody		
Zika Virus IgG; IgM; Total Antibody		

### Herpes simplex

2 samples per survey / 2 surveys

Test	Sample Type	Volume
<i>Herpes Simplex 1 &amp; 2 IgG; Herpes Simplex - 1 IgG</i>	Serum/Plasma	0.5mL
<i>Herpes Simplex - 2 IgG; Herpes Simplex 1 &amp; 2 IgM</i>		
<i>Herpes Simplex - 1 IgM; Herpes Simplex - 2 IgM;</i>		
<i>Herpes Simplex CFT; Herpes Simplex -Confirmatory Test</i>		

### Parvovirus

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Parvovirus IgG; Parvovirus IgM	Serum/Plasma	0.25mL



## Specimen-Free Program

This program offers Serology clinical case studies. Five case studies or scenarios will be issued to enrolled participants and is available to all staff from an enrolled Participant site. This module is not 'scored' and is designed as an educational tool for staff.

Please note that all individual responses are returned to the primary contact for review and distribution.

## Paperwork Only Program

This module is designed for manufacturers and sponsors (distributors) of kits only. Participants enrolled in the 'Paperwork Only' **do not** receive samples.



## Synovial Fluid Discipline

The RCPAQAP Synovial Fluid discipline assesses the ability of laboratories to detect the key disease-related crystals (monosodium urate monohydrate, calcium pyrophosphate dihydrate) and to differentiate those from other crystalline structures such as corticosteroid, cholesterol and cartilage that may be found in synovial fluid.

For more information including the survey dispatch schedule please review the Documents tab in the myQAP portal ([www.myqap.com.au](http://www.myqap.com.au)).

### Synovial Fluid

3 samples per survey / 2 surveys

Test	Sample Type	Volume
Monosodium Urate Monohydrate (Urate) Crystals	Synovial fluid	25µL
Calcium Pyrophosphate Dihydrate (CPPD) Crystals		
Cholesterol Crystals		
Synthetic Corticosteroid Crystals		
Non-crystalline inclusions (cartilage, fibrin, rice bodies)		
Artefacts (starch, talc)		

Two surveys, each containing 3 micro tubes 0.05mL PP per survey are dispatched annually.

### Educational Component *# This program is non-accredited*

The Synovial Fluid Educational Component will be available in myQAP. Participants will be asked to review the video of three to six microscopic examinations of synovial fluid and report their findings. A second video with the same images, but with a commentary, will be available after the close of the survey.



# Transfusion Discipline

The RCPAQAP Transfusion discipline covers all routine tests performed in a pre-transfusion testing laboratory including clinical decision making on given scenarios. The Individual Assessment program is designed to assist laboratory supervisors maintain and assess individual staff competencies while also enabling individual staff to meet EQA participation requirements as stipulated by the guidelines. The Foetal Maternal Haemorrhage Estimation program is for assessing laboratories on methods used in estimating foetal red cells in maternal samples.

## Data Management Option

A “Data Management Option”

- Data Management is available for participants to enrol in the Antibody Titre, Basic Compatibility, General Compatibility and Phenotyping Programs – includes result entry and all associated reports. A Participant Handbook and Schedules, along with all Result and Method Sheets are supplied in the RCPAQAP myQAP online customer portal [www.myqap.com.au](http://www.myqap.com.au). Note that participants must be enrolled in the full program in order to enrol in the data management option.
- Full program (material) – a complete set of material containing all the samples to be analysed for the full enrolment year is distributed to participants following enrolment.

## Data Management Only

Purchasing a Data Management enrolment is useful when the material from the Full Program can be shared with a second instrument or a satellite/branch laboratory on the same site. RCPAQAP cannot guarantee sample material transported to a secondary site. Please ensure the volume of material supplied in the full program is enough to be shared with a second instrument before purchasing a data management only enrolment.

## What's New in 2020

- The sale of ‘additional material’ will now be offered under all programs.

## General Transfusion

*Module AG: Varied samples per survey / 6 surveys*

*Module AP: 1 sample per survey / 4 surveys*

*Module AB: Varied samples per survey / 6 surveys*

*Module AA: 1 sample per survey / 4 surveys*

Tests	Sample Type	Volume
General Compatibility – Tests include blood grouping, antibody screen and identification, crossmatch/ compatibility testing, phenotyping, DAT, and elution studies.	EDTA whole blood Red cells	4mL 2mL
Basic Compatibility Module – Includes all tests in the AG module except antibody identification, phenotyping and elution studies.	EDTA whole blood Red cells	4mL 2mL
Phenotyping Module – Extended Red Cell Antigen Phenotyping	Red cells	4mL
Antibody Titre Module (AA module) – Anti-D Titre	Plasma	2mL

## Blood Grouping & Antibody Screen

*2 samples per survey / 6 surveys*

Test	Sample Type	Volume
Blood grouping (Antibody Screen/Identification – Optional)	EDTA Whole blood	4mL

## Individual Assessment

*2 samples per survey / 6 surveys*

Description	Sample Type	Volume
Individual Assessment (up to 3 participants results can be submitted per survey)	EDTA Whole blood	6mL

## Foetal Maternal Haemorrhage Estimation

*2 samples per survey / 4 surveys*

Test	Sample Type	Volume
Foetal Maternal Haemorrhage Estimation	EDTA Whole blood	2mL

## Snake Venom Detection

*1 sample per survey / 1 survey*

Test	Sample Type	Volume
Snake Venom Detection	Swab	

The following program is only available to participants outside Australia.

## Transfusion Competency

Blood Grouping, Phenotyping:

3 samples per survey / 6 surveys

DAT, Antibody Screen, Antibody Identification:

1 sample per survey / 6 surveys

Crossmatching/Compatibility Testing:

2 samples per survey / 6 surveys

Tests	Sample Type	Volume
Blood Grouping	EDTA Whole blood /Red cells	4mL/ 2mL
Weak D testing	EDTA Whole blood / Red cells	4mL/ 2mL
DAT	EDTA Red cells	2mL
Antibody Screen	EDTA Whole blood	4mL
Antibody identification	EDTA Whole blood	4mL
Phenotyping (Rh/ K antigens only)	EDTA/ Whole blood/ Red cells	4mL/ 2mL
Crossmatching / Compatibility Testing	2 red cell donor units	2mL



# Training and Competency Assessment (TACA)

The online training and competency assessment modules have been developed with subject matter experts to produce web-based learning modules.

The online modules are intended to support laboratory technical training and provide a resource for continuing education. RCPAQAP is working with subject matter experts to ensure the modules meet participants learning needs. Web-based delivery offers flexible learning where learners can access the modules anywhere and at any time.

Modules available are;

- Quality Assurance and Quality Control – suitable for multi-test analysers in Chemical Pathology/Haematology/Immunology – (Basic scientists level) \*
- Snake and snake bite: the role of the pathology laboratories \*
- Pre-Analytical Module – Select safe sites for venepuncture \*
- Cytopathology Module 1 – Anatomy of the Female Genital Tract \*\*
- Cytopathology Module 2 – Cytological Identification of normal epithelial cells and other cellular components of cervical and vaginal smears \*\*

*\* These modules are eligible for Australian Institute of Medical Scientists (AIMS) APACE accreditation.*

*\*\*These modules are eligible for the Australian Society of Cytology (ASC) Continuing Education for Cytologists (CEC) Program for non-medical members. Refer to Category 2 “Computer based learning”.*

If customers wish to enrol in any of the above training modules please log a myQAP request then select “Participant Number Request” or visit [www.rcpaqap.com.au](http://www.rcpaqap.com.au) and contact us.

Participants can commence their online course once payment has been received.

For further details please Contact RCPAQAP:

Phone (+ 612) 9045 6000

Email [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au)

# Virtual Microscopy Unit

The RCPAQAP Quality Assurance Programs Pty Limited is committed to providing services to enhance education, training and continuous professional development in pathology. High resolution digital images are being used for:

- RCPAQAP Anatomical Pathology diagnostic modules,
- RCPAQAP Cytopathology non-gynaecological surveys,
- Enhancement of the RCPAQAP Haematology morphology program,
- Provision of the bone marrow morphology program
- Provision of the paediatric morphology program
- Provision of the malarial parasite program

For more information please consult the RCPAQAP virtual microscopy unit or contact us via the website.

[http://www.rcpaqap.com.au/contact us](http://www.rcpaqap.com.au/contact-us)

The RCPAQAP Virtual Microscopy Unit offers a scanning service for individuals or organisations to convert glass slides to high resolution digital images.

Contact us for an obligation free quote.

## **RCPAQAP Virtual Microscopy Unit**

Phone +61 2 9045 6080

Email [virtual.microscopy@rcpaqap.com.au](mailto:virtual.microscopy@rcpaqap.com.au)

OR

Phone (+ 612) 9045 6000

Email [customer.service@rcpaqap.com.au](mailto:customer.service@rcpaqap.com.au)

# Test Index

Analyte / Test	Discipline	Program
11-Deoxycortisol	Chemical Pathology	Endocrine: Special
17-Hydroxyprogesterone	Chemical Pathology	Endocrine: Special
17-Hydroxyprogesterone	Chemical Pathology	Dried Blood Spot
3-Methoxytyramine	Chemical Pathology	Biogenic Amines
3-Methoxytyramine	Chemical Pathology	Plasma Metanephrines
5HIAA	Chemical Pathology	Biogenic Amines
Acetylcholine Receptor antibodies	Immunology	Myasthenia Gravis
Acid-fast stains	Microbiology	Bacteriology, Mycobacteriology
ACR (Albumin/Creatinine Ratio)	Chemical Pathology	General Urine Chemistry
ACTH	Chemical Pathology	Tumour Markers
Activated Partial Thromboplastin Time	Haematology	Haemostasis
Active B12 (Holotranscobalamin)	Chemical Pathology	Endocrine: Special
Active B12 (Holotranscobalamin)	Chemical Pathology	Liquid Serum Chemistry
Adrenaline	Chemical Pathology	Biogenic Amines
AFP	Chemical Pathology	Endocrine
Alanine Amino Transferase	Chemical Pathology	Condensed Serum Chemistry – OS only
Alanine Amino Transferase	Chemical Pathology	General Serum Chemistry
Alanine Amino Transferase	Chemical Pathology	Liquid Serum Chemistry
Albumin	Chemical Pathology	Body Fluids
Albumin	Chemical Pathology	Condensed Serum Chemistry – OS only
Albumin	Chemical Pathology	CSF Chemistry
Albumin	Chemical Pathology	General Serum Chemistry
Albumin	Chemical Pathology	General Urine Chemistry
Albumin	Chemical Pathology	Liquid Serum Chemistry
Alcohol	Chemical Pathology	Alcohol / Ammonia
Aldosterone	Chemical Pathology	Endocrine: Special
Alkaline Phosphatase	Chemical Pathology	Condensed Serum Chemistry – OS only
Alkaline Phosphatase	Chemical Pathology	General Serum Chemistry
Alkaline Phosphatase	Chemical Pathology	Liquid Serum Chemistry
ALK translocation in NSCLC	Anatomical Pathology	ALK translocation in NSCLC



Analyte / Test	Discipline	Program
Alpha – Beta Cells	Immunology	Immunophenotyping
Alpha-1-antitrypsin	Immunology	Specific Proteins
Alpha-fetoprotein	Chemical Pathology	Endocrine
Alpha-fetoprotein	Chemical Pathology	Tumour Markers
Alphavirus & Flavivirus NAT	Microbiology	Molecular Infectious Diseases
Alphavirus serology	Serology	Alphavirus serology (Viral)
Alternaria Specific IgE	Immunology	Inhalant Allergens
Aluminium	Chemical Pathology	Trace Elements Serum
AMA-M2 antibodies	Immunology	Liver Antibodies
Amikacin	Chemical Pathology	Special Drugs
Amiodarone	Chemical Pathology	Special Drugs
Amitriptyline	Chemical Pathology	Special Drugs
Ammonia	Chemical Pathology	Alcohol / Ammonia
Amoxicilloyl specific IgE	Immunology	Drug Allergens
Amphetamine Type Substances	Chemical Pathology	Oral Fluid Toxicology Screening
Amphetamine	Chemical Pathology	On-site Urine Toxicology Screening
Amphiphysin antibodies	Immunology	Neuronal antibodies
Ampicilloyl specific IgE	Immunology	Drug Allergens
Amylase	Chemical Pathology	Body Fluids
Amylase	Chemical Pathology	Condensed Serum Chemistry – OS only
Amylase	Chemical Pathology	General Serum Chemistry
Amylase	Chemical Pathology	Liquid Serum Chemistry
Anaerobic culture and Identification	Microbiology	Bacteriology, Genital-Anaerobe
Androstenedione	Chemical Pathology	Endocrine: Special
Angiotensin-converting Enzyme	Chemical Pathology	Endocrine ACE
Animal Epithelium Mix Allergens Specific IgE	Immunology	Inhalant Allergens
Anion Gap	Chemical Pathology	Liquid Serum Chemistry
Antibiotic susceptibility testing	Microbiology	Bacteriology, Urine, Respiratory, Genital/Anaerobe, Skin
Antibody Identification Only	Transfusion	Transfusion Competency Program
Antibody Screen Only	Transfusion	Transfusion Competency Program
Anti-Mullerian Hormone	Chemical Pathology	Endocrine – AMH
Antineutrophil Cytoplasmic antibodies	Immunology	Vasculitis Serology
Antinuclear Antibody	Immunology	Antinuclear Antibodies
Anti-saccharomyces cerevisiae antibody (IgG + IgA)	Immunology	Anti-Saccharomyces cerevisiae antibody

Analyte / Test	Discipline	Program
Antithrombin	Haematology	Protein C, Protein S, Antithrombin
APC resistance	Haematology	APC resistance
Apixaban-anti Xa	Haematology	Apixaban
Apolipoprotein A1	Chemical Pathology	Special Lipids
Apolipoprotein B	Chemical Pathology	Special Lipids
Ara-h2 Specific IgE	Immunology	Food Allergens
Arsenic	Chemical Pathology	Trace Elements Urine
Arsenic	Chemical Pathology	Trace Elements Whole Blood
Artefacts (starch, talc)	Synovial Fluid	Synovial Fluid
Aspartate Amino Transferase	Chemical Pathology	Condensed Serum Chemistry – OS only
Aspartate Amino Transferase	Chemical Pathology	General Serum Chemistry
Aspartate Amino Transferase	Chemical Pathology	Liquid Serum Chemistry
Aspergillus fumigatus (IgG antibodies )	Immunology	Fungal & Avian Antibodies
Aspergillus fumigatus Specific IgE	Immunology	Inhalant Allergens
Autosomal Dominant Polycystic Kidney disease – Pilot	Molecular Genetics	EMQN: Disease Specific
Bacterial culture/identification/antibiotic susceptibility	Microbiology	Bacteriology, Urine, Respiratory, Genital/Anaerobe, Skin
Bacterial serotyping	Microbiology	Serotyping Module
Barmah Forest Virus	Serology	Alphavirus serology (Viral)
Basophils Percent	Haematology	Automated Differential (instrument specific)
Basophils Percent	Haematology	PoCT HemoCue Automated Differential
BCL2	Anatomical Pathology	Fluorescent in-situ Hybridisation (FISH) Diagnostic
BCR-ABL Qualitative Testing	Haematology	Molecular Haematology
BCR-ABL1 Major Quantification	Haematology	UK NEQAS LI Program
BCR-ABL1 Minor Quantification	Haematology	UK NEQAS LI Program
Beckwith-Wiedemann and Silver-Russell syndromes (BWS/SRS)	Molecular Genetics	EMQN: Disease Specific
Bee Venom Specific IgE	Immunology	Bee Venom IgE
Benzodiazepines	Chemical Pathology	On-site Urine Toxicology Screening
Benzodiazepines	Chemical Pathology	Oral Fluid Toxicology Screening
Bermuda Grass Specific IgE	Immunology	Inhalant Allergens
Beryllium (Urine)	Chemical Pathology	Trace Elements
Beta-2-Glycoprotein-I (IgA antibodies )	Immunology	Antiphospholipid antibodies
Beta-2-Glycoprotein-I (IgG antibodies )	Immunology	Antiphospholipid antibodies

Analyte / Test	Discipline	Program
Beta-2-Glycoprotein-I (IgM antibodies)	Immunology	Antiphospholipid antibodies
Beta-2-Microglobulin	Chemical Pathology	Tumour Markers
Beta-2 Transferrin	Chemical Pathology	CSF
Beta-Trace Protein	Chemical Pathology	CSF Oligoclonal Bands
Beta-carotene	Chemical Pathology	Vitamins Serum
Bicarbonate	Chemical Pathology	Condensed Serum Chemistry – OS only
Bicarbonate	Chemical Pathology	General Serum Chemistry
Bicarbonate	Chemical Pathology	Liquid Serum Chemistry
Bile Acids – Total	Chemical Pathology	Bile Acids
Bilirubin-Conjugated	Chemical Pathology	Condensed Serum Chemistry – OS only
Bilirubin-Conjugated	Chemical Pathology	General Serum Chemistry
Bilirubin-Conjugated	Chemical Pathology	Liquid Serum Chemistry
Bilirubin-Conjugated	Chemical Pathology	Neonatal Bilirubin
Bilirubin-Total	Chemical Pathology	Condensed Serum Chemistry – OS only
Bilirubin-Total	Chemical Pathology	General Serum Chemistry
Bilirubin-Total	Chemical Pathology	Liquid Serum Chemistry
Bilirubin-Total	Chemical Pathology	Neonatal Bilirubin
Biogenic Amines Clinical Evaluation	Chemical Pathology	Biogenic Amines
Birch Pollen Specific IgE	Immunology	Inhalant Allergens
Blood Film Differential Count	Haematology	Manual Differential
Blood Group and Antibody Screen (Identification – optional) : Up to 3 participants results can be submitted per survey)	Transfusion	Individual Assessment Program
Blood Group Only	Transfusion	Transfusion Competency Program
Blood grouping (Ab Screen/Identification – Optional)	Transfusion	Blood Grouping and Antibody Screen
Blood, urine dipstick chemistry	Microbiology	Urine Dipstick Chemistry
Bone and Soft Tissue Pathology	Anatomical Pathology	Bone and Soft Tissue Diagnostic
Bone Marrow Morphology	Haematology	Bone Marrow Morphology
<i>Bordetella pertussis</i>	Microbiology	Molecular Infectious Diseases
<i>Bordetella pertussis</i> serology	Serology	<i>Bordetella pertussis</i> serology (Vaccine Preventable)
<u>Breast</u> Immunohistochemistry	Anatomical Pathology	IHC Breast Markers
Breast Pathology	Anatomical Pathology	Breast Diagnostic
Bronchoscope, Microbiological surveillance culture	Microbiology	Microbiological Surveillance Culture
Brucella serology	Serology	Brucella serology (Bacterial)

Analyte / Test	Discipline	Program
B-Type Natriuretic Peptide (BNP)	Chemical Pathology	BNP Program
Budgie (IgG antibodies )	Immunology	Fungal & Avian Antibodies
C Peptide	Chemical Pathology	IGF-1/C Peptide
C-1-esterase inhibitor	Immunology	Specific Proteins
CA 125	Chemical Pathology	Endocrine
CA 125	Chemical Pathology	Tumour Markers
CA 15-3	Chemical Pathology	Tumour Markers
CA 19-9	Chemical Pathology	Body Fluids
CA 19-9	Chemical Pathology	Tumour Markers
Cadmium	Chemical Pathology	Trace Elements Urine
Cadmium	Chemical Pathology	Trace Elements Whole Blood
Caeruloplasmin	Immunology	Specific Proteins
Calcitonin	Chemical Pathology	Tumour Markers
Calcium	Chemical Pathology	Condensed Serum Chemistry – OS only
Calcium	Chemical Pathology	General Serum Chemistry
Calcium	Chemical Pathology	General Urine Chemistry
Calcium	Chemical Pathology	Liquid Serum Chemistry
Calcium – Adjusted	Chemical Pathology	Liquid Serum Chemistry
Calcium – Ionised	Chemical Pathology	Blood Gases
Calcium – Ionised	Chemical Pathology	Point of Care Testing – Blood Gases
Calcium Pyrophosphate Dihydrate (CPPD) Crystals	Synovial Fluid	Synovial Fluid
Cannabis metabolites	Chemical Pathology	On-site Urine Toxicology Screening
Cannabis metabolites	Chemical Pathology	Oral Fluid Toxicology Screening
Carbamazepine	Chemical Pathology	Condensed Serum Chemistry – OS only
Carbamazepine	Chemical Pathology	General Serum Chemistry
Carboxyhaemoglobin	Chemical Pathology	Co-oximetry
Cardiac Arrhythmias	Molecular Genetics	EMQN: Disease Specific
Cardiolipin (IgA antibodies )	Immunology	Antiphospholipid antibodies
Cardiolipin (IgG antibodies )	Immunology	Antiphospholipid antibodies
Cardiolipin (IgM antibodies )	Immunology	Antiphospholipid antibodies
Case Study	Immunology	Case Study Module
Cashew Specific IgE	Immunology	Food Allergy
Cat Dander/Epithelium Specific IgE	Immunology	Inhalant Allergens
CD19+ Lymphocytes	Immunology	Immunophenotyping
CD19+ Lymphocytes	Immunology	B Cell Subsets

Analyte / Test	Discipline	Program
CD19+ Lymphocytes – Absolute Numbers	Immunology	Immunophenotyping
CD19+/CD27+ Lymphocytes	Immunology	B Cell Subsets
CD19+CD27-/IgM+/IgD+ Lymphocytes	Immunology	B Cell Subsets
CD19+/CD27+/IgM-/IgD- Lymphocytes	Immunology	B Cell Subsets
CD19+/CD21lo- Lymphocytes	Immunology	B Cell Subsets
CD3-, CD16+ Lymphocytes	Immunology	Immunophenotyping
CD3-, CD16+, CD56+ Lymphocytes	Immunology	Immunophenotyping
CD3-, CD56+ Lymphocytes	Immunology	Immunophenotyping
CD3+ lymphocytes	Immunology	Immunophenotyping
CD3+, CD4+ Lymphocytes	Immunology	Immunophenotyping
CD3+, CD4+ Lymphocytes – Absolute Numbers	Immunology	Immunophenotyping
CD3+, CD8+ Lymphocytes	Immunology	Immunophenotyping
CD3+, CD8+ Lymphocytes – Absolute Numbers	Immunology	Immunophenotyping
CD3+Lymphocytes – Absolute Numbers	Immunology	Immunophenotyping
CD14- Monocytes Percent	Haematology	PNH
CD15- Granulocytes Percent	Haematology	PNH
CD16- Granulocytes Percent	Haematology	PNH
CD24- Granulocytes Percent	Haematology	PNH
CD33- Granulocytes Percent	Haematology	PNH
CD55- Granulocytes Percent	Haematology	PNH
CD59 – Granulocytes Percent	Haematology	PNH
CD66- Granulocytes Percent	Haematology	PNH
CD55 – red blood cells percent	Haematology	PNH
CD58 – red blood cells percent	Haematology	PNH
CD59 – red blood cells percent	Haematology	PNH
CD235a – red blood cells percent	Haematology	PNH
CD34- Percent	Haematology	CD34
CD34 - Absolute	Haematology	CD34
CEA	Chemical Pathology	Body Fluids
CEA	Chemical Pathology	Endocrine
CEA	Chemical Pathology	Tumour Markers
Cefaclor specific IgE	Immunology	Drug allergens
Centromere antibodies	Immunology	Rhematic Disease Serology
Centromere antibodies	Immunology	Myositis and scleroderma specific antibodies

Analyte / Test	Discipline	Program
Charcot-Marie-Tooth Disease	Molecular Genetics	EMQN: Disease Specific
Chikungunya Virus	Serology	Alphavirus (Viral)
Chimerism Analysis	Haematology	Molecular Haematology
Chlamydia genus	Serology	Chlamydia genus serology (Bacterial)
Chlamydia pneumoniae	Serology	Chlamydia genus serology (Bacterial)
Chlamydia psittaci	Serology	Chlamydia genus serology (Bacterial)
Chlamydia trachomatis Antibody	Serology	Chlamydia genus serology (Bacterial)
<i>Chlamydia trachomatis</i>	Microbiology	Molecular Infectious Diseases
Chlorhexidine specific IgE	Immunology	Drug allergens
Chloride	Chemical Pathology	Blood Gases
Chloride	Chemical Pathology	Body Fluids
Chloride	Chemical Pathology	Condensed Serum Chemistry – OS only
Chloride	Chemical Pathology	General Serum Chemistry
Chloride	Chemical Pathology	General Urine Chemistry
Chloride	Chemical Pathology	Liquid Serum Chemistry
Chloride	Chemical Pathology	Point of Care Testing – Blood Gases
Chloride	Chemical Pathology	Sweat Electrolytes
Cholesterol	Chemical Pathology	Condensed Serum Chemistry – OS only
Cholesterol	Chemical Pathology	General Serum Chemistry
Cholesterol	Chemical Pathology	Liquid Serum Chemistry
Cholesterol	Chemical Pathology	Special Lipids
Cholesterol – Non HDL	Chemical Pathology	Liquid Serum Chemistry
Cholesterol Crystals	Synovial Fluid	Synovial Fluid
Cholinesterase	Chemical Pathology	Condensed Serum Chemistry – OS only
Cholinesterase	Chemical Pathology	General Serum Chemistry
Cholinesterase	Chemical Pathology	Liquid Serum Chemistry
Chromium	Chemical Pathology	Trace Elements Serum
Chromium	Chemical Pathology	Trace Elements Urine
Chromium	Chemical Pathology	Trace Elements Whole Blood
<i>Clostridium difficile</i> culture/antigen/toxin detection/ribotyping	Microbiology	<i>Clostridium difficile</i> Laboratory Detection
Clozapine	Chemical Pathology	Special Drugs
Cobalt	Chemical Pathology	Trace Elements Serum
Cobalt	Chemical Pathology	Trace Elements Urine
Cobalt	Chemical Pathology	Trace Elements Whole Blood
Cocaine metabolites	Chemical Pathology	On-site Urine Toxicology Screening

Analyte / Test	Discipline	Program
Cocaine metabolites	Chemical Pathology	Oral Fluid Toxicology Screening
Coeliac Disease HLA Genotyping	Molecular Genetics	HLA Genotyping
Complement C3	Immunology	Specific Proteins
Complement C4	Immunology	Specific Proteins
Congenital Adrenal Hyperplasia	Molecular Genetics	EMQN: Disease Specific
Copper	Chemical Pathology	Trace Elements Serum
Copper	Chemical Pathology	Trace Elements Urine
Cortisol	Chemical Pathology	Condensed Serum Chemistry – OS only
Cortisol	Chemical Pathology	Endocrine: Special
Cortisol	Chemical Pathology	General Serum Chemistry
Cortisol	Chemical Pathology	General Urine Chemistry
Cortisol	Chemical Pathology	Liquid Serum Chemistry
Cortisol	Chemical Pathology	Salivary Cortisol
Cortisone	Chemical Pathology	Salivary Cortisol
Cow's Milk Specific IgE	Immunology	Food Allergy
CPPD	Synovial Fluid	Synovial Fluid
C-Reactive Protein	Chemical Pathology	C-Reactive Protein
C-Reactive Protein – High Sensitivity	Immunology	High Sensitivity
Creatine Kinase	Chemical Pathology	Condensed Serum Chemistry – OS only
Creatine Kinase	Chemical Pathology	General Serum Chemistry
Creatine Kinase	Chemical Pathology	Liquid Serum Chemistry
Creatine Kinase-MB	Chemical Pathology	Condensed Serum Chemistry – OS only
Creatine Kinase-MB	Chemical Pathology	General Serum Chemistry
Creatinine	Chemical Pathology	Blood Gases
Creatinine	Chemical Pathology	Body Fluids
Creatinine	Chemical Pathology	Condensed Serum Chemistry – OS only
Creatinine	Chemical Pathology	General Serum Chemistry
Creatinine	Chemical Pathology	General Urine Chemistry
Creatinine	Chemical Pathology	Liquid Serum Chemistry
Creatinine	Chemical Pathology	Point of Care Testing – Blood Gases
Creatinine	Chemical Pathology	Urine Toxicology
Crossmatching Only	Transfusion	Transfusion Competency Program
Cryptococcal Antigen	Serology	Cryptococcal Antigen ( Parasite and Spirochaete)
CV2 antibodies	Immunology	Neuronal antibodies
Cyclic citrullinated peptide antibodies	Immunology	Cyclic citrullinated peptide

Analyte / Test	Discipline	Program
Cyclosporin	Chemical Pathology	Immunosuppressants
Cystic Fibrosis	Molecular Genetics	CF Network Program
Cytomegalovirus (Qualitative/ Quantitative)	Microbiology	Molecular Infectious Diseases
Cytomegalovirus serology	Serology	Cytomegalovirus serology (Lymphadenopathy)
D. pteronyssinus Specific IgE	Immunology	Inhalant Allergens
Dabigatran – Direct Thrombin Inhibition	Haematology	Dabigatran
DAT Only	Transfusion	Transfusion Competency Program
D-Dimer – Automated	Haematology	D-Dimer: Automated
D-Dimer – semi quantitative / qualitative	Haematology	D-Dimer: Semi quantitative / qualitative
Deamidated Gliadin (IgA antibodies )	Immunology	Coeliac Serology
Deamidated Gliadin (IgG antibodies )	Immunology	Coeliac Serology
Dengue virus serology – ONLY	Serology	Dengue virus serology – ONLY (Viral)
Dermatopathology	Anatomical Pathology	Dermatopathology Diagnostic
Dermatophyte Identification	Microbiology	Mycology
DHEA Sulphate	Chemical Pathology	Endocrine: Special
DHEA Sulphate	Chemical Pathology	Liquid Serum Chemistry
DHT (Dihydrotestosterone)	Chemical Pathology	Endocrine: Special
DHT (Dihydrotestosterone)	Chemical Pathology	Liquid Serum Chemistry
Digoxin	Chemical Pathology	Condensed Serum Chemistry – OS only
Digoxin	Chemical Pathology	General Serum Chemistry
DNA Sequencing – Sanger – Full version	Molecular Genetics	EMQN: Technique Specific
DNA Sequencing – NGS (vGermline)	Molecular Genetics	EMQN: Technique Specific
DNA Sequencing – NGS (vSomatic)	Molecular Genetics	EMQN: Technique Specific
Dopamine	Chemical Pathology	Biogenic Amines
Drug Testing	Chemical Pathology	Urine Toxicology
Drug Testing	Chemical Pathology	On-site Urine Toxicology Screening
Drug Testing	Chemical Pathology	Oral Fluid Toxicology
DRVVT	Haematology	Lupus Anticoagulant
dsDNA antibodies	Immunology	Rheumatic Disease Serology
Duchenne / Becker Muscular Dystrophy	Molecular Genetics	EMQN: Disease Specific
eGFR	Chemical Pathology	Liquid Serum Chemistry
Egg Specific IgE	Immunology	Food Allergy
Electron microscopy	Anatomical Pathology	Electron Microscopy
EJ antibodies	Immunology	Myositis and scleroderma associated antibodies



Analyte / Test	Discipline	Program
ENA	Immunology	Rheumatic Disease Serology
Endocrine Pathology	Anatomical Pathology	Endocrine Diagnostic
Endomysial antibodies	Immunology	Coeliac Serology
Endoscope, Microbiological surveillance culture	Microbiology	Microbiological Surveillance Culture
Entamoeba serology	Serology	Entamoeba serology (Parasite and Spirochaete)
Enterovirus	Microbiology	Molecular Infectious Diseases
Eosinophils Percent	Haematology	Automated Differential (instrument specific)
Eosinophils Percent	Haematology	PoCT HemoCue Automated Differential
Epstein Barr Virus serology	Serology	Epstein Barr Virus serology (Lymphadenopathy)
Erythrocyte Sedimentation Rate (method specific)	Haematology	ESR: Automated and Manual
Erythrocyte Sedimentation Rate (method specific)	Haematology	ESR: StaRRSed only
F-Actin antibodies	Immunology	Tissue Autoantibodies
Factor II	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor IX	Haematology	Coagulation Factors VIII and IX
Factor V	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor VII	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor VIII	Haematology	Coagulation Factors VIII and IX
Factor VIII Coagulant	Haematology	von Willebrand Factor
Factor VIII inhibitor	Haematology	FVIII Inhibitor
Factor IX	Haematology	Coagulation Factors VIII and IX
Factor X	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor XI	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor XII	Haematology	Coagulation Factors II, V, VII, X, XI and XII
Factor XIII	Haematology	Factor XIII
Faecal Occult Blood (Qualitative)	Chemical Pathology	Faecal Occult Blood
Faecal parasites, smears/wet films	Microbiology	Parasitology
Faecal pathogens, bacterial culture/identification	Microbiology	Bacteriology, Faecal

Analyte / Test	Discipline	Program
Familial Adenomatous Polyposis Colon Cancer	Molecular Genetics	EMQN: Disease Specific
Familial autosomal dominant hypercholesterolemia	Molecular Genetics	EMQN: Disease Specific
Familial SHOX-related disorders	Molecular Genetics	EMQN: Disease Specific
Ferritin	Chemical Pathology	Condensed Serum Chemistry – OS only
Ferritin	Chemical Pathology	Endocrine
Ferritin	Chemical Pathology	General Serum Chemistry
Ferritin	Chemical Pathology	Liquid Serum Chemistry
Fibrillar antibodies	Immunology	Myositis and scleroderma associated antibodies
Fibrinogen	Haematology	Haemostasis
Flavivirus serology	Serology	Flavivirus serology (Viral)
FLT3-ITD / TKD	Haematology	Molecular Haematology
Fluconazole	Chemical Pathology	Special Drugs
Flucytosine	Chemical Pathology	Special Drugs
Foetal Cell Estimation: Flow Cytometry	Transfusion	Foeto-Maternal Haemorrhage Estimation
Foetal Cell Estimation: Kleihauer Test	Transfusion	Foeto-Maternal Haemorrhage Estimation
Folate	Chemical Pathology	Endocrine
Folate	Chemical Pathology	Liquid Serum Chemistry
FISH	Anatomical Pathology	Fluorescent in-situ Hybridisation (FISH) Diagnostic
Forensic Pathology	Anatomical Pathology	Forensic Diagnostic
Fragile X Syndrome – Full Version	Molecular Genetics	EMQN: Disease Specific
Fragile X Syndrome Pre-Screening – only version	Molecular Genetics	EMQN: Disease Specific
Free Deoxyphenol	Chemical Pathology	General Urine Chemistry
Free 3-Methoxytyramine	Chemical Pathology	General Urine Chemistry
Free Metanephrine	Chemical Pathology	General Urine Chemistry
Free Normetanephrine	Chemical Pathology	General Urine Chemistry
Free T3	Chemical Pathology	Condensed Serum Chemistry – OS only
Free T3	Chemical Pathology	Endocrine
Free T3	Chemical Pathology	General Serum Chemistry
Free T3	Chemical Pathology	Liquid Serum Chemistry
Free T4	Chemical Pathology	Condensed Serum Chemistry – OS only
Free T4	Chemical Pathology	Endocrine
Free T4	Chemical Pathology	General Serum Chemistry

Analyte / Test	Discipline	Program
Free T4	Chemical Pathology	Liquid Serum Chemistry
Friedreich Ataxia	Molecular Genetics	EMQN: Disease Specific
Fructosamine	Chemical Pathology	Condensed Serum Chemistry – OS only
Fructosamine	Chemical Pathology	General Serum Chemistry
Fructosamine	Chemical Pathology	Liquid Serum Chemistry
FSH	Chemical Pathology	Endocrine
FSH	Chemical Pathology	Liquid Serum Chemistry
Fungal culture/identification	Microbiology	Mycology
FVIII Inhibitor	Haematology	FVIII Inhibitor
GAD Antibodies	Immunology	Type 1 Diabetes Antibodies
GAD Antibodies	Immunology	Neuronal antibodies
Gamma Glutamyl Transferase	Chemical Pathology	Condensed Serum Chemistry – OS only
Gamma Glutamyl Transferase	Chemical Pathology	General Serum Chemistry
Gamma Glutamyl Transferase	Chemical Pathology	Liquid Serum Chemistry
Gastrin	Chemical Pathology	Tumour Markers
Gastrointestinal Bacterial Pathogens	Microbiology	Molecular Infectious Diseases
Gastrointestinal Parasite Pathogens	Microbiology	Molecular Infectious Diseases
Gastrointestinal Pathology	Anatomical Pathology	Gastrointestinal Diagnostic
Gastrointestinal Viral Pathogens	Microbiology	Molecular Infectious Diseases
General Anatomical Pathology	Anatomical Pathology	General Diagnostic
Genital swabs culture/identification	Microbiology	Bacteriology, Genital-Anaerobe
Gentamicin	Chemical Pathology	Condensed Serum Chemistry – OS only
Gentamicin	Chemical Pathology	General Serum Chemistry
Gentamicin	Chemical Pathology	Special Drugs
Globulins	Chemical Pathology	Liquid Serum Chemistry
Glomerular Basement Membrane antibody	Immunology	Vasculitis Serology
Glucose	Chemical Pathology	Blood Gases
Glucose	Chemical Pathology	Body Fluids
Glucose	Chemical Pathology	Condensed Serum Chemistry – OS only
Glucose	Chemical Pathology	CSF Chemistry
Glucose	Chemical Pathology	General Serum Chemistry
Glucose	Chemical Pathology	General Urine Chemistry
Glucose	Chemical Pathology	Liquid Serum Chemistry
Glucose	Chemical Pathology	Point of Care Testing – Blood Gases
Glucose	Chemical Pathology	Glucose meter – Roche accu-Chek

Analyte / Test	Discipline	Program
Glucose, urine dipstick chemistry	Microbiology	Urine Dipstick Chemistry
Glucose-6-phosphate dehydrogenase Assay	Haematology	G-6-PD
Glucose-6-phosphate dehydrogenase Screen	Haematology	G-6-PD
Gonococcal culture/identification	Microbiology	Bacteriology, Genital-Anaerobe
Gp210 antibodies	Immunology	Liver Antibodies
Gram stains	Microbiology	STAT Microscopy
Granulocytes - FLAER	Haematology	PNH
Grass Pollen Mix Allergens	Immunology	Inhalant Allergens
Growth Hormone	Chemical Pathology	Endocrine
Growth Hormone	Chemical Pathology	Liquid Serum Chemistry
Gynaecological Conventional	Cytopathology	Gynaecological Cytopathology
Gynaecological SurePath	Cytopathology	Gynaecological Cytopathology
Gynaecological ThinPrep	Cytopathology	Gynaecological Cytopathology
Gynaecological Pathology	Anatomical Pathology	Gynaecological Diagnostic
Haemolysis Index	Chemical Pathology	Serum Indices
Haematocrit	Chemical Pathology	Point of Care Testing – Blood Gases
Haematocrit	Haematology	Full Blood Count
Haematology Immunophenotyping	Haematology	Haematology Immunophenotyping
Haemoglobin	Chemical Pathology	CO-oximetry
Haemoglobin	Chemical Pathology	Point of Care Testing – Blood Gases
Haemoglobin	Haematology	Full Blood Count
Haemoglobin A <sub>2</sub>	Haematology	Haemoglobinopathy
Haemoglobin F	Haematology	Haemoglobinopathy
Haptoglobin	Immunology	Specific Proteins
HbA1c – Lyophilised blood	Chemical Pathology	HbA1c Glycohaemoglobin Lyophilised
HbA1c – Whole blood	Chemical Pathology	HbA1c Glycohaemoglobin Whole Blood
hCG-Qualitative Total	Chemical Pathology	Condensed Serum Chemistry – OS only
hCG-Qualitative Total	Chemical Pathology	General Serum Chemistry
hCG-Qualitative Total	Chemical Pathology	General Urine Chemistry
hCG-Qualitative Total	Chemical Pathology	Urine Pregnancy
hCG-Quantitative Total	Chemical Pathology	Condensed Serum Chemistry – OS only
hCG-Quantitative Total	Chemical Pathology	Endocrine
hCG-Quantitative Total	Chemical Pathology	General Serum Chemistry
hCG-Quantitative Total	Chemical Pathology	General Urine Chemistry
hCG-Quantitative Total	Chemical Pathology	Tumour Markers

Analyte / Test	Discipline	Program
HDL Cholesterol	Chemical Pathology	Condensed Serum Chemistry – OS only
HDL Cholesterol	Chemical Pathology	General Serum Chemistry
HDL Cholesterol	Chemical Pathology	Liquid Serum Chemistry
HDL Cholesterol	Chemical Pathology	Special Lipids
<i>Helicobacter pylori</i> serology	Serology	<i>Helicobacter pylori</i> serology (Bacterial)
Heparin Monitoring – Low Molecular Weight Heparin	Haematology	Low Molecular Weight Heparin
Heparin Monitoring – Unfractionated Heparin	Haematology	Unfractionated Heparin
Hepatitis A serology	Serology	Hepatitis A serology (Hepatitis)
Hepatitis B DNA (Qualitative/ Quantitative)	Microbiology	Molecular Infectious Diseases
Hepatitis B serology	Serology	Hepatitis B serology (Hepatitis)
Hepatitis C Genotyping	Microbiology	Molecular Infectious Diseases
Hepatitis C RNA (Qualitative/ Quantitative)	Microbiology	Molecular Infectious Diseases
Hepatitis C serology	Serology	Hepatitis C serology (Hepatitis)
Hepatitis D serology	Serology	Hepatitis D serology (Hepatitis)
Hepatitis E serology	Serology	Hepatitis E serology (Hepatitis)
HER2 BRISH diagnostic (Breast)	Anatomical Pathology	HER2 BRISH Diagnostic
HER2 BRISH diagnostic (Gastric)	Anatomical Pathology	HER2 BRISH Diagnostic
HER2 BRISH technical (Breast)	Anatomical Pathology	HER2 BRISH Technical
HER2 BRISH technical (Gastric)	Anatomical Pathology	HER2 BRISH Technical
Hereditary Breast and Ovarian Cancer (BRCA1/2 targeted testing only)	Molecular Genetics	EMQN: Disease Specific
Hereditary Breast and Ovarian Cancer (Panel testing version)	Molecular Genetics	EMQN: Disease Specific
Hereditary Deafness – GJB2/GJB6	Molecular Genetics	EMQN: Disease Specific
Hereditary Haemochromatosis	Molecular Genetics	EMQN: Disease Specific
Hereditary Haemochromatosis	Molecular Genetics	Molecular Haematology
Hereditary Recurrent Fevers	Molecular Genetics	EMQN: Disease Specific
<i>Herpes simplex</i> serology	Serology	<i>Herpes simplex</i> serology (Viral)
Herpes simplex virus type 1 and 2	Microbiology	Molecular Infectious Diseases
Histones	Immunology	Rheumatic Disease Serology
Histotechnology Frozen Section	Anatomical Pathology	Technical Frozen Section
Histotechnology (routine)	Anatomical Pathology	Technical
HIV PoCT ONLY	Serology	HIV PoCT (Point-of-Care Program)
HIV serology (comprehensive)	Serology	HIV serology (Retroviral)
HIV-1 RNA (Quantitative)	Microbiology	Molecular Infectious Diseases
HLA B*57	Molecular Genetics	HLA Genotyping

Analyte / Test	Discipline	Program
HLA B27 Status	Immunology	HLA B27 Status
HMMA	Chemical Pathology	Biogenic Amines
Homocysteine	Chemical Pathology	Endocrine
House Dust Mite Mix Allergens	Immunology	Inhalant Allergens
House Dust Mite Specific IgE (D. pteronyssinus)	Immunology	Inhalant Allergens
HRPII	Haematology	Malarial Parasite – Rapid Kit Test
HTLV serology	Serology	HTLV serology (Retroviral)
Hu antibodies	Immunology	Neuronal antibodies
Human Papillomavirus DNA	Microbiology	Molecular Infectious Diseases
Huntington Disease	Molecular Genetics	EMQN: Disease Specific
HVA	Chemical Pathology	Biogenic Amines
Hydatid serology	Serology	Hydatid serology (Parasite and Spirochaete)
Hypertrophic Cardiomyopathies	Molecular Genetics	EMQN: Disease Specific
IA2 antibodies	Immunology	Type 1 Diabetes Antibodies
Icterus Index	Chemical Pathology	General Serum Chemistry
Icterus Index	Chemical Pathology	Serum Indices
IDH Mutation Analysis in AML (IDH1, IDH2)	Haematology	Molecular Haematology
IDH Mutation Analysis in Glioma (IDH1, IDH2)	Molecular Genetics	Oncology
IgA	Immunology	Specific Proteins
IgD	Immunology	IgD
IgE	Immunology	IgE (Total)
IGF-1	Chemical Pathology	IGF-1/C Peptide
IGF-BP3	Chemical Pathology	IGF-1/C Peptide
IgG	Immunology	Specific Proteins
IgG Subclasses	Immunology	IgG Subclasses
IgM	Immunology	Specific Proteins
Immunoglobulin G	Chemical Pathology	CSF Chemistry
Immunogenotyping (IgH/TCR)	Haematology	Molecular Haematology
Immunohistochemistry Breast Markers Audit	Anatomical Pathology	Breast Markers Audit
Immunohistochemistry General	Anatomical Pathology	IHC General Markers
Immunohistochemistry Lymphoma	Anatomical Pathology	IHC Lymphoma Markers
Immunoreactive trypsinogen	Chemical Pathology	Dried Blood Spot
Infectious Mononucleosis	Serology	Infectious Mononucleosis
Influenza A & B Antibody serology	Serology	Influenza A & B Antibody serology (Vaccine Preventable)

Analyte / Test	Discipline	Program
Influenza A & B Antigen PoCT ONLY	Serology	Influenza A & B Antigen PoCT (Point-of-Care Program)
Influenza/RSV Molecular Rapid Diagnostics	Microbiology	Molecular Infectious Diseases
Influenza Molecular Diagnostics	Microbiology	Molecular Infectious Diseases
Insulin	Chemical Pathology	Endocrine
International Normalised Ratio	Haematology	Haemostasis
International Normalised Ratio	Haematology	Point-of-Care INR
Intrinsic Factor antibodies	Immunology	Tissue Autoantibodies
Iodine	Chemical Pathology	Trace Elements Urine
Iron	Chemical Pathology	Condensed Serum Chemistry – OS only
Iron	Chemical Pathology	General Serum Chemistry
Iron	Chemical Pathology	Liquid Serum Chemistry
Iron	Chemical Pathology	Trace Elements Urine
Islet Cell antibodies	Immunology	Type 1 Diabetes Antibodies
Isolates from blood cultures and sterile sites	Microbiology	Bacteriology, Difficult Isolate
Itraconazole	Chemical Pathology	Special Drugs
Japanese Encephalitis Virus	Serology	Flavivirus serology (Viral)
Jo-1 antibodies	Immunology	Myositis and scleroderma associated antibodies
Jo-1 antibodies	Immunology	Rheumatic disease serology
Kaolin Clotting Time	Haematology	Lupus Anticoagulant
Kokobera	Serology	Flavivirus serology (Viral)
Ku antibodies	Immunology	Myositis and scleroderma associated antibodies
Kunjin (West Nile) serology	Serology	Flavivirus serology (Viral)
Lactate	Chemical Pathology	Blood Gases
Lactate	Chemical Pathology	Body Fluids
Lactate	Chemical Pathology	Condensed Serum Chemistry – OS only
Lactate	Chemical Pathology	CSF Chemistry
Lactate	Chemical Pathology	General Serum Chemistry
Lactate	Chemical Pathology	Liquid Serum Chemistry
Lactate	Chemical Pathology	Point of Care Testing – Blood Gases
Lactate Dehydrogenase	Chemical Pathology	Body Fluids
Lactate Dehydrogenase	Chemical Pathology	Condensed Serum Chemistry – OS only
Lactate Dehydrogenase	Chemical Pathology	General Serum Chemistry
Lactate Dehydrogenase	Chemical Pathology	Liquid Serum Chemistry
Latex Specific IgE	Immunology	Drug Allergens

Analyte / Test	Discipline	Program
LC-1	Immunology	Liver Antibodies
LDL Calculated	Chemical Pathology	Liquid Serum Chemistry
LDL Cholesterol	Chemical Pathology	Special Lipids
Lead	Chemical Pathology	Trace Elements Urine
Lead	Chemical Pathology	Trace Elements Whole Blood
Legionella serology	Serology	Legionella serology (Bacterial)
Legionella Urinary Antigen	Serology	Legionella Urinary Antigen (Bacterial)
Leptospirosis serology	Serology	Leptospirosis serology (Parasite and Spirochaete)
Leucocyte esterase, urine dipstick chemistry	Microbiology	Urine Dipstick Chemistry
Leucocyte surface markers	Haematology	Haematology Immunophenotyping
LH	Chemical Pathology	Endocrine
LH	Chemical Pathology	Liquid Serum Chemistry
Lipaemia	Chemical Pathology	Serum Indices
Lipase	Chemical Pathology	Body Fluids
Lipase	Chemical Pathology	Condensed Serum Chemistry – OS only
Lipase	Chemical Pathology	General Serum Chemistry
Lipase	Chemical Pathology	Liquid Serum Chemistry
Lipoprotein (a)	Chemical Pathology	Special Lipids
Lithium	Chemical Pathology	Condensed Serum Chemistry – OS only
Lithium	Chemical Pathology	General Serum Chemistry
Lithium	Chemical Pathology	Trace Elements Serum
Liver / kidney Microsome antibodies	Immunology	Tissue Autoantibodies
LKM-1	Immunology	Liver Antibodies
Low Molecular Weight Heparin – anti Xa	Haematology	Heparin Monitoring - LMWH
Lupus Anticoagulant	Haematology	Lupus anticoagulant
Lyme Disease serology	Serology	Lyme Disease serology (Parasite and Spirochaete)
Lynch Syndrome	Molecular Genetics	EMQN: Disease Specific
Lymphocytes Percent	Haematology	Automated Differential (instrument specific)
Lymphocytes Percent	Haematology	PoCT-HemoCue Automated Differential
Lymphocyte surface marker	Haematology	Haematology Immunophenotyping
Magnesium	Chemical Pathology	Condensed Serum Chemistry – OS only
Magnesium	Chemical Pathology	General Serum Chemistry
Magnesium	Chemical Pathology	Liquid Serum Chemistry
Magnesium	Chemical Pathology	Trace Elements Urine



Analyte / Test	Discipline	Program
Magnesium	Chemical Pathology	Trace Elements Serum
Magnesium	Chemical Pathology	Trace Elements Urine
Magnesium	Chemical Pathology	Trace Elements Whole Blood
Malarial Parasite – Rapid Kit Test	Haematology	Malarial Parasite – Rapid Kit Test
Malarial Parasite – Virtual Program	Haematology	Malarial Parasite
Manganese	Chemical Pathology	Trace Elements Urine
Manganese	Chemical Pathology	Trace Elements Whole Blood
Maternal Cell Contamination	Molecular Genetics	Technical
MDA5	Immunology	Myositis and scleroderma associated antibodies
Mean Cell Volume (MCV)	Haematology	Full Blood Count
Mean Cell Haemoglobin (MCH)	Haematology	Full Blood Count
Mean Cell Haemoglobin Concentration (MCHC)	Haematology	Full Blood Count
Mean Platelet Volume (MPV)	Haematology	Full Blood Count
Measles serology	Serology	Measles serology (Vaccine Preventable)
mecA gene/nuc	Microbiology	Molecular Infectious Diseases
Mercury	Chemical Pathology	Trace Elements Urine
Mercury	Chemical Pathology	Trace Elements Whole Blood
Metanephrine	Chemical Pathology	Biogenic Amines
Metanephrine	Chemical Pathology	Plasma Metanephrines
Methaemoglobin	Chemical Pathology	Co-oximetry
Methamphetamine	Chemical Pathology	On-site Urine Toxicology Screening
Methotrexate	Chemical Pathology	Special Drugs
Methylmalonic Acid	Chemical Pathology	Vitamins Serum
MGMT Hypermethylation	Molecular Genetics	Sample Exchange
Mi-2 antibodies	Immunology	Myositis and scleroderma associated antibodies
Mi-2 $\alpha$ antibodies	Immunology	Myositis and scleroderma associated antibodies
Mi-2 $\beta$ antibodies	Immunology	Myositis and scleroderma associated antibodies
Mitochondrial antibodies	Immunology	Tissue Autoantibodies
Mitochondrial DNA metabolic disorders	Molecular Genetics	EMQN: Disease Specific
Mohs Diagnostic Pathology	Anatomical Pathology	Mohs Diagnostic
Molecular testing for Melanoma	Molecular Genetics	EMQN: Molecular Pathology
Molecular testing in Lung Cancer (NSCLC)	Molecular Genetics	EMQN: Molecular Pathology

Analyte / Test	Discipline	Program
Molecular testing in sporadic colorectal cancer	Molecular Genetics	EMQN: Molecular Pathology
Molecular testing of BRCA genes in Ovarian Cancer (vGermline)	Molecular Genetics	EMQN: Molecular Pathology
Molecular testing of BRCA genes in Ovarian Cancer (vSomatic)	Molecular Genetics	EMQN: Molecular Pathology
Molecular testing for EGFR gene mutations in cfDNA	Molecular Genetics	EMQN: Molecular Pathology
Molecular testing for RAS gene mutations in cfDNA	Molecular Genetics	EMQN: Molecular Pathology
Molybdenum	Chemical Pathology	Trace Elements Serum
Monocytes- FLAER	Haematology	PNH
Monocytes Percent	Haematology	Automated Differential (instrument specific)
Monocytes Percent	Haematology	PoCT HemoCue Automated Differential
Monogenic Diabetes	Molecular Genetics	EMQN: Disease Specific
Monosodium Urate Monohydrate (Urate) Crystals	Synovial Fluid	Synovial Fluid
Morphine specific IgE	Immunology	Drug allergens
Morphology	Haematology	Morphology
Morphology Educational DVD – Virtual Images	Haematology	Morphology
Mould Mix Allergens	Immunology	Inhalant Allergens
Multiple Endocrine Neoplasia Type 2	Molecular Genetics	EMQN: Disease Specific
Mumps serology	Serology	Mumps serology (Vaccine Preventable)
Murray Valley Encephalitis serology	Serology	Flavivirus serology (Viral)
Mutation Detection in Colorectal Cancer	Molecular Genetics	Oncology
Mutation Detection in Lung Cancer	Molecular Genetics	Oncology
Mutation Detection in Melanoma	Molecular Genetics	Oncology
Mycobacterial culture	Microbiology	Bacteriology, Mycobacteriology
<i>Mycobacterium avium</i> complex	Microbiology	Molecular Infectious Diseases
<i>Mycobacterium tuberculosis</i>	Microbiology	Molecular Infectious Diseases
Mycology culture/identification	Microbiology	Mycology
Mycophenolate	Chemical Pathology	Special Drugs
Mycoplasma serology	Serology	Mycoplasma serology (Bacterial)
Myeloperoxidase antibodies	Immunology	Vasculitis Serology
Myeloproliferative neoplasms (JAK2, CALR, MPL)	Haematology	Molecular Haematology
Myositis and scleroderma antibodies	Immunology	Myositis Specific and Scleroderma antibodies

Analyte / Test	Discipline	Program
Myotonic Dystrophy	Molecular Genetics	EMQN: Disease Specific
M2-3E antibodies	Immunology	Liver Antibodies
<i>Neisseria gonorrhoeae</i>	Microbiology	Molecular Infectious Diseases
<i>Neisseria meningitidis</i>	Microbiology	Molecular Infectious Diseases
Neuropathology	Anatomical Pathology	Neuropathology Diagnostic
Neuropathology Immunohistochemistry & Technical	Anatomical Pathology	Neuropathology IHC and Technical
Neutrophils Percent	Haematology	Automated Differential (instrument specific)
Neutrophils Percent	Haematology	PoCT HemoCue Automated Differential
Nickel	Chemical Pathology	Trace Elements Urine
Nitrite, urine dipstick chemistry	Microbiology	Urine Dipstick Chemistry
Non-crystalline inclusions (cartilage, fibrin, rice bodies)	Synovial Fluid	Synovial Fluid
Non-gynaecological Fine needle Aspiration	Cytopathology	Non-gynaecological Cytopathology
Non-gynaecological General	Cytopathology	Non-gynaecological Cytopathology
Non-gynaecological Specialty	Cytopathology	Non-gynaecological Cytopathology
Non-invasive prenatal testing (NIPT) for fetal sexing	Molecular Genetics	EMQN: Technical
Non-invasive prenatal testing (NIPT) for common aneuploidies	Molecular Genetics	EMQN: Technical
NOR90 antibodies	Immunology	Myositis and scleroderma associated antibodies
Noradrenaline	Chemical Pathology	Biogenic Amines
Normetanephrine	Chemical Pathology	Biogenic Amines
Normetanephrine	Chemical Pathology	Plasma Metanephrines
Nortriptyline	Chemical Pathology	Special Drugs
NPM1	Haematology	Molecular Haematology
NSE	Chemical Pathology	Tumour Markers
N-Telopeptides	Chemical Pathology	General Urine Chemistry
NT-pro B Type Natriuretic Peptide	Chemical Pathology	BNP Program
Nucleosome antibodies	Immunology	Rheumatic Disease Serology
NXP-2 antibodies	Immunology	Myositis and scleroderma associated antibodies
Oestradiol	Chemical Pathology	Endocrine: Special
Oestradiol	Chemical Pathology	Liquid Serum Chemistry
Oestriol (Unconjugated)	Chemical Pathology	Endocrine: Special

Analyte / Test	Discipline	Program
OJ antibodies	Immunology	Myositis and scleroderma associated antibodies
OH-Itraconazole	Chemical Pathology	Special Drugs
Oligoclonal Banding – Interpretive Comment	Chemical Pathology	CSF Oligoclonal Bands
Oligoclonal Banding (CSF)	Chemical Pathology	CSF Oligoclonal Bands
Oligoclonal Banding (Serum)	Chemical Pathology	CSF Oligoclonal Bands
Omega-5 gliadin Specific IgE	Immunology	Food Allergens
Oncogene panel testing	Molecular Genetics	EMQN: Molecular Pathology
Opiates	Chemical Pathology	On-site Urine Toxicology Screening
Opiates	Chemical Pathology	Oral Fluid Toxicology Screening
Oral and Maxillofacial Pathology	Anatomical Pathology	Oral and Maxillofacial Pathology
Osmolality	Chemical Pathology	Body Fluids
Osmolality	Chemical Pathology	Condensed Serum Chemistry – OS only
Osmolality	Chemical Pathology	General Serum Chemistry
Osmolality	Chemical Pathology	General Urine Chemistry
Osmolality	Chemical Pathology	Liquid Serum Chemistry
Osmolar Gap	Chemical Pathology	Liquid Serum Chemistry
Ovomucoid Specific IgE	Immunology	Food Allergens
Osteogenesis imperfecta	Molecular Genetics	EMQN: Disease Specific
Oxyhaemoglobin	Chemical Pathology	Co-oximetry
P1NP	Chemical Pathology	Endocrine: Special
P1NP	Chemical Pathology	Liquid Serum Chemistry
Paediatric Morphology – Virtual Program	Haematology	Paediatric Morphology
Paediatric Pathology	Anatomical Pathology	Paediatric Diagnostic
Paracetamol	Chemical Pathology	Condensed Serum Chemistry – OS only
Paracetamol	Chemical Pathology	General Serum Chemistry
Paraprotein Identity – Serum & Urine	Immunology	Paraproteins
Paraprotein Quantitation – Serum & Urine	Immunology	Paraproteins
Parietal Cell antibodies	Immunology	Tissue Autoantibodies
Paroxysmal nocturnal haemoglobinuria (PNH)	Haematology	Oncology Immunophenotyping
Parvovirus serology	Serology	Parvovirus serology (Viral)
Patient Identification, Blood Group, Antibody Screen, Crossmatch/ Compatibility Testing and DAT	Transfusion	Basic Compatibility Module
Patient Identification, Blood Group, Antibody Screen/ Identification, Crossmatch/ Compatibility Testing, DAT and Elution Studies	Transfusion	General Compatibility Module

Analyte / Test	Discipline	Program
PCA-2 antibodies	Immunology	Neuronal antibodies
PCNA antibodies	Immunology	Rheumatic disease serology
pCO <sub>2</sub>	Chemical Pathology	Blood Gases
pCO <sub>2</sub>	Chemical Pathology	Point of Care Testing – Blood Gases
PDGFR antibodies	Immunology	Myositis and scleroderma associated antibodies
PD-L1 Immunohistochemistry	Anatomical Pathology	Immunohistochemistry
Peanut Specific IgE	Immunology	Food Allergy
Penicilloyl G specific IgE	Immunology	Drug Allergens
Penicilloyl V specific IgE	Immunology	Drug Allergens
Performance Measures	Cytopathology	Performance Measures
PFA-100/200 analysis	Haematology	PFA-100/200
pH	Chemical Pathology	Blood Gases
pH	Chemical Pathology	Body Fluids
pH	Chemical Pathology	Point of Care Testing – Blood Gases
Pharmacogenetics (drug intolerance and efficiency) (Pilot)	Molecular Genetics	EMQN: Pharmacogenetic
Phenobarbitone	Chemical Pathology	Condensed Serum Chemistry – OS only
Phenobarbitone	Chemical Pathology	General Serum Chemistry
Phenotyping Only (Rh/ K antigens)	Transfusion	Transfusion Competency Program
Phenylalanine*	Chemical Pathology	Dried Blood Spot
Phenylketonuria	Molecular Genetics	EMQN: Disease Specific
Phenytoin	Chemical Pathology	Condensed Serum Chemistry – OS only
Phenytoin	Chemical Pathology	General Serum Chemistry
Phosphate	Chemical Pathology	General Urine Chemistry
Phosphate (Inorganic)	Chemical Pathology	Condensed Serum Chemistry – OS only
Phosphate (Inorganic)	Chemical Pathology	General Serum Chemistry
Phosphate (Inorganic)	Chemical Pathology	Liquid Serum Chemistry
Pigeon (IgG antibodies )	Immunology	Fungal & Avian Antibodies
PL-7 antibodies	Immunology	Myositis and scleroderma associated antibodies
PL-12 antibodies	Immunology	Myositis and scleroderma associated antibodies
Platelet	Haematology	Full Blood Count
PML RAR $\alpha$	Haematology	Molecular Haematology
PML antibodies	Immunology	Liver Antibodies
PM-Scl antibodies	Immunology	Rheumatic disease serology

Analyte / Test	Discipline	Program
PM-Scl75 antibodies	Immunology	Myositis and scleroderma associated antibodies
PM-Scl100 antibodies	Immunology	Myositis and scleroderma associated antibodies
PNMA2 (Ma2/Ta) antibodies	Immunology	Neuronal antibodies
pO2	Chemical Pathology	Blood Gases
pO2	Chemical Pathology	Point of Care Testing – Blood Gases
Porphobilinogen Qualitative	Chemical Pathology	Porphyryns Urine
Porphobilinogen Quantitative	Chemical Pathology	Porphyryns Urine
Porphyria	Molecular Genetics	EMQN: Disease Specific
Porphyrin Faecal Components	Chemical Pathology	Porphyryns Faeces
Porphyrin Faecal Dry Weight	Chemical Pathology	Porphyryns Faeces
Porphyrin Faecal Total	Chemical Pathology	Porphyryns Faeces
Porphyrin Plasma Components	Chemical Pathology	Porphyryns Plasma
Porphyrin Plasma Total	Chemical Pathology	Porphyryns Plasma
Porphyrin Urine Components	Chemical Pathology	Porphyryns Urine
Porphyrin Urine Total	Chemical Pathology	Porphyryns Urine
Porphyrin Whole Blood Fractions	Chemical Pathology	Porphyryns Whole Blood
Porphyrin Whole Blood Total	Chemical Pathology	Porphyryns Whole Blood
Porphyrin Whole Blood Total Clinical Evaluation	Chemical Pathology	Porphyryns Whole Blood
Posaconazole	Chemical Pathology	Special Drugs
Post-Analytical	KIMMS	Non-Analytical Programs
Postnatal Constitutional CNV Analysis (array/NGS)	Molecular Genetics	EMQN: Technical
Potassium	Chemical Pathology	Blood Gases
Potassium	Chemical Pathology	Condensed Serum Chemistry – OS only
Potassium	Chemical Pathology	General Serum Chemistry
Potassium	Chemical Pathology	General Urine Chemistry
Potassium	Chemical Pathology	Liquid Serum Chemistry
Potassium	Chemical Pathology	Point of Care Testing – Blood Gases
PR155 antibodies	Immunology	Myositis and scleroderma associated antibodies
Prader-Willi & Angelman Syndromes	Molecular Genetics	EMQN: Disease Specific
Prawn Specific IgE	Immunology	Food Allergy
Prealbumin	Immunology	Specific Proteins
Pre-Analytical Phase – Identification Problems	KIMMS	KIMMS

Analyte / Test	Discipline	Program
Pre-Analytical Phase – Samples Rejected	KIMMS	KIMMS
Procalcitonin	Immunology	Procalcitonin
Progesterone	Chemical Pathology	Endocrine: Special
Progesterone	Chemical Pathology	Liquid Serum Chemistry
Prolactin	Chemical Pathology	Endocrine
Prolactin	Chemical Pathology	Liquid Serum Chemistry
Prolactin	Chemical Pathology	Tumour Markers
Protein (Total)	Chemical Pathology	Body Fluids
Protein (Total)	Chemical Pathology	Condensed Serum Chemistry – OS only
Protein (Total)	Chemical Pathology	CSF Chemistry
Protein (Total)	Chemical Pathology	General Serum Chemistry
Protein (Total)	Chemical Pathology	General Urine Chemistry
Protein (Total)	Chemical Pathology	Liquid Serum Chemistry
Protein C	Haematology	Protein C, Protein S, Antithrombin
Protein S	Haematology	Protein C, Protein S, Antithrombin
Protein, urine dipstick chemistry	Microbiology	Urine Dipstick Chemistry
Proteinase-3 antibodies	Immunology	Vasculitis Serology
Prostate Specific Antigen - Free	Chemical Pathology	Endocrine: PSA
Prostate Specific Antigen - Free	Chemical Pathology	Tumour Markers
Prostate Specific Antigen - Total	Chemical Pathology	Endocrine PSA
Prostate Specific Antigen - Total	Chemical Pathology	Tumour Markers
PTEN	Molecular Genetics	RCPAQAP: Sample Exchange
PTH	Chemical Pathology	Endocrine
Q fever serology	Serology	Q fever serology (Vaccine Preventable)
Quality Assessment of DNA Extracts	Molecular Genetics	Technical
Quality Assessment of FFPE DNA Extracts	Molecular Genetics	Technical
Quantitative Analysis of Circulating Free DNA (cfDNA)	Molecular Genetics	Oncology
QuantiFERON® – TB Gold (detection only)	Serology	QuantiFERON® – TB (Bacterial)
Recoverin antibodies	Immunology	Neuronal antibodies
Red Blood Cells	Haematology	Full Blood Count
Red Cell Folate	Chemical Pathology	Endocrine Red Cell Folate
Red Cell Distribution Width	Haematology	Full Blood Count
Respiratory Pathogens	Serology	Molecular Infectious Diseases
Reticulocyte Count – Absolute	Haematology	Reticulocyte: Automated Instrument specific

Analyte / Test	Discipline	Program
Reticulocyte Count – Absolute	Haematology	Reticulocyte: Manual
Reticulocyte Count – Percent	Haematology	Reticulocyte: Automated Instrument specific
Retinoblastoma	Molecular Genetics	EMQN: Disease Specific
Rheumatoid Factor – Quantitative + Qualitative	Immunology	Rheumatoid Factor
Ri antibodies	Immunology	Neuronal antibodies
Ribosomal P antibodies	Immunology	Rheumatic disease serology
Rickettsial serology	Serology	Rickettsia serology (Bacterial)
Rivaroxaban – anti Xa	Haematology	Rivaroxaban
RNA polymerase III antibodies	Immunology	Myositis and scleroderma associated antibodies
RNP antibodies	Immunology	Rheumatic disease serology
Ro-52 antibodies	Immunology	Rheumatic disease serology
Ro-52 antibodies	Immunology	Liver Antibodies
Ro-52 antibodies	Immunology	Myositis and scleroderma associated antibodies
Ro-60 (SS-A) antibodies	Immunology	Rheumatic disease serology
RPII antibodies	Immunology	Myositis and scleroderma associated antibodies
RSV Antigen PoCT ONLY	Serology	RSV Antigen PoCT (Point-of-Care Program)
Rubella	Serology	Rubella serology (Antenatal)
Rye Grass Pollen Specific IgE	Immunology	Inhalant Allergens
RYR1 related myopathies and malignant hyperthermia susceptibility (Pilot)	Molecular Genetics	EMQN: Disease Specific
SAE1 antibodies	Immunology	Myositis Specific and Scleroderma antibodies
Salicylate	Chemical Pathology	Condensed Serum Chemistry – OS only
Salicylate	Chemical Pathology	General Serum Chemistry
Sanger DNA Sequencing	Molecular Genetics	Technical
Schistosomiasis serology	Serology	Schistosomiasis serology (Parasite and Spirochaete)
Scl-70 antibodies	Immunology	Myositis Specific and Scleroderma antibodies
Scl-70 antibodies	Immunology	Rheumatic disease serology
Scleroderma and Myositis antibodies	Immunology	Myositis Specific and Scleroderma antibodies
Selenium	Chemical Pathology	Trace Elements Serum
Selenium	Chemical Pathology	Trace Elements Urine



Analyte / Test	Discipline	Program
Selenium	Chemical Pathology	Trace Elements Whole Blood
Serotonin	Chemical Pathology	Biogenic Amines
Serum Free Light Chains	Immunology	Paraproteins
Sesame Seed Specific IgE	Immunology	Food Allergy
SHBG	Chemical Pathology	Endocrine
SHBG	Chemical Pathology	Liquid Serum Chemistry
Silica Clotting Time	Haematology	Lupus Anticoagulant
Sirolimus	Chemical Pathology	Immunosuppressants
Skeletal (striated) muscle antibodies	Immunology	Myasthenia Gravis
Skin Basement Membrane antibodies	Immunology	Skin antibodies
Skin Intercellular Substance antibodies	Immunology	Skin antibodies
Skin swabs culture/identification	Microbiology	Bacteriology, Skin/Throat
SLA/LP antibodies	Immunology	Liver Antibodies
Sm antibodies	Immunology	Rheumatic disease serology
Smooth Muscle antibodies	Immunology	Tissue Autoantibodies
Snake Venom Detection	Transfusion	Snake Venom Detection
Sodium	Chemical Pathology	Blood Gases
Sodium	Chemical Pathology	Body Fluids
Sodium	Chemical Pathology	Condensed Serum Chemistry – OS only
Sodium	Chemical Pathology	General Serum Chemistry
Sodium	Chemical Pathology	General Urine Chemistry
Sodium	Chemical Pathology	Liquid Serum Chemistry
Sodium	Chemical Pathology	Point of Care Testing – Blood Gases
Soy Specific IgE	Immunology	Food Allergy
SOX1 antibodies	Immunology	Neuronal antibodies
Spinal Muscular Atrophy	Molecular Genetics	EMQN: Disease Specific
Spinocerebellar Ataxia's	Molecular Genetics	EMQN: Disease Specific
Sputum, culture/identification/antibiotic susceptibility	Microbiology	Bacteriology, Respiratory
Sp100 antibodies	Immunology	Liver Antibodies
SRP antibodies	Immunology	Myositis and scleroderma associated antibodies
SS-A antibodies (Ro60)	Immunology	Rheumatic disease serology
SS-B antibodies	Immunology	Rheumatic disease serology
Stickler Syndrome (Pilot)	Molecular Genetics	EMQN: Disease Specific
Streptococcal serology	Serology	Streptococcus serology (Bacterial)

Analyte / Test	Discipline	Program
Streptococcus pneumonia	Microbiology	Urinary antigen detection
Suxamethonium specific IgE	Immunology	Drug allergens
Sweat Conductivity	Chemical Pathology	Sweat Electrolytes
Sweat Electrolytes – Clinical Evaluation	Chemical Pathology	Sweat Electrolytes
Synthetic Corticosteroid Crystals	Synovial Fluid	Synovial Fluid
Syphilis serology	Serology	Syphilis serology (Antenatal)
s-βCTX	Chemical Pathology	Endocrine: Special
s-βCTX	Chemical Pathology	Liquid Serum Chemistry
Tacrolimus	Chemical Pathology	Immunosuppressants
Technical	Cytopathology	Cytopreparatory techniques
Testosterone	Chemical Pathology	Endocrine: Special
Testosterone	Chemical Pathology	Liquid Serum Chemistry
Th/To antibodies	Immunology	Myositis Specific and Scleroderma antibodies
Thalassemia	Molecular Genetics	Molecular Haematology
Thallium	Chemical Pathology	Trace Elements Serum
Thallium	Chemical Pathology	Trace Elements Urine
Thallium	Chemical Pathology	Trace Elements Whole Blood
Theophylline	Chemical Pathology	Condensed Serum Chemistry – OS only
Theophylline	Chemical Pathology	General Serum Chemistry
Throat swab culture/identification	Microbiology	Bacteriology, Skin/Throat
Thrombin Time	Haematology	Haemostasis
Thromboelastography	Haematology	POC-TEG (Thromboelastography)
Thromboelastometry	Haematology	POC – ROTEM (Thromboelastometry)
Thrombosis (FVL, MTHFR, Prothrombin)	Haematology	Molecular Haematology
Thyroglobulin	Chemical Pathology	Tumour Markers
Thyroglobulin antibodies	Immunology	Thyroid Autoantibodies
Thyroid Microsome (TPO) antibodies	Immunology	Thyroid Autoantibodies
Thyroid Receptor antibodies	Immunology	Thyroid Autoantibodies
Thyroxine	Chemical Pathology	Condensed Serum Chemistry – OS only
Thyroxine	Chemical Pathology	General Serum Chemistry
TIBC	Chemical Pathology	Condensed Serum Chemistry – OS only
TIBC	Chemical Pathology	General Serum Chemistry
TIBC	Chemical Pathology	Liquid Serum Chemistry
TIF1 γ antibodies	Immunology	Myositis Specific and Scleroderma antibodies

Analyte / Test	Discipline	Program
Titin antibodies	Immunology	Neuronal antibodies
Tobramycin	Chemical Pathology	Special Drugs
Total Carotenoids	Chemical Pathology	Vitamins Serum
Total CD34/uL	Haematology	CD34
Total CO2	Chemical Pathology	Point of Care Testing – Blood Gases
Total T3	Chemical Pathology	Condensed Serum Chemistry – OS only
Total T3	Chemical Pathology	Endocrine: Special
Total T4	Chemical Pathology	Endocrine: Special
Toxoplasma serology	Serology	Toxoplasma serology (Lymphadenopathy)
TP53 deletions at 17p13.1 in CLL (FISH)	Haematology	Molecular Haematology
Transferrin	Chemical Pathology	Condensed Serum Chemistry – OS only
Transferrin	Chemical Pathology	General Serum Chemistry
Transferrin	Chemical Pathology	Liquid Serum Chemistry
Transferrin Saturation	Chemical Pathology	Liquid Serum Chemistry
Transglutaminase (IgA antibodies )	Immunology	Coeliac Serology
Transglutaminase (IgG antibodies )	Immunology	Coeliac Serology
Tricyclic Antidepressant Screen	Chemical Pathology	Special Drugs
Tr (DNER) antibodies	Immunology	Neuronal antibodies
Triglyceride	Chemical Pathology	Body Fluids
Triglyceride	Chemical Pathology	Condensed Serum Chemistry – OS only
Triglyceride	Chemical Pathology	General Serum Chemistry
Triglyceride	Chemical Pathology	Liquid Serum Chemistry
Triglyceride	Chemical Pathology	Special Lipids
Troponin I	Chemical Pathology	Condensed Serum Chemistry – OS only
Troponin I	Chemical Pathology	General Serum Chemistry
Troponin I	Chemical Pathology	Point of Care Testing – Troponin
Troponin T (qualitative) Rapid Assay	Chemical Pathology	Condensed Serum Chemistry – OS only
Troponin T (qualitative) Rapid Assay	Chemical Pathology	General Serum Chemistry
Troponin T (quantitative)	Chemical Pathology	Condensed Serum Chemistry – OS only
Troponin T (quantitative)	Chemical Pathology	General Serum Chemistry
Troponin T (semi-qual) Roche Cardiac Reader	Chemical Pathology	Condensed Serum Chemistry – OS only
Troponin T (semi-qual) Roche Cardiac Reader	Chemical Pathology	General Serum Chemistry
Troponin T (semi-qual) Roche cobas h232	Chemical Pathology	Point of Care Testing – Troponin
Tryptase	Immunology	Tryptase
TSH	Chemical Pathology	Condensed Serum Chemistry – OS only

Analyte / Test	Discipline	Program
TSH	Chemical Pathology	Endocrine
TSH	Chemical Pathology	General Serum Chemistry
TSH	Chemical Pathology	Liquid Serum Chemistry
Tyrosine	Chemical Pathology	Dried Blood Spot
Unfractionated Heparin (aPTT)	Haematology	Heparin Monitoring -UFH
Unfractionated Heparin (anti Xa)	Haematology	Heparin monitoring -UFH
Urate	Chemical Pathology	Condensed Serum Chemistry – OS only
Urate	Chemical Pathology	Body Fluids
Urate	Chemical Pathology	General Serum Chemistry
Urate	Chemical Pathology	General Urine Chemistry
Urate	Chemical Pathology	Liquid Serum Chemistry
Urate	Synovial Fluid	Synovial Fluid
Urea	Chemical Pathology	Body Fluids
Urea	Chemical Pathology	Blood Gases
Urea	Chemical Pathology	Condensed Serum Chemistry – OS only
Urea	Chemical Pathology	General Serum Chemistry
Urea	Chemical Pathology	General Urine Chemistry
Urea	Chemical Pathology	Liquid Serum Chemistry
Urea	Chemical Pathology	Point of Care Testing – Blood Gases
Urine ALA	Chemical Pathology	Porphyrins Urine
Urinary Amylase	Chemical Pathology	Urinary Amylase
Urine cells counts	Microbiology	Bacteriology, Urine, STAT
Urine culture, bacterial count, identification, antibiotic susceptibility	Microbiology	Bacteriology, Urine
Urological Pathology	Anatomical Pathology	Urological Diagnostic
Valproate	Chemical Pathology	Condensed Serum Chemistry – OS only
Valproate	Chemical Pathology	General Serum Chemistry
Vanadium	Chemical Pathology	Trace Elements Serum
Vanadium	Chemical Pathology	Trace Elements Urine
Vancomycin	Chemical Pathology	Condensed Serum Chemistry – OS only
Vancomycin	Chemical Pathology	General Serum Chemistry
Vancomycin	Chemical Pathology	Special Drugs
Variant Haemoglobin	Haematology	Haemoglobinopathy
<i>Varicella zoster</i> serology	Serology	<i>Varicella zoster</i> serology (Vaccine Preventable)
Varicella zoster virus	Microbiology	Molecular Infectious Diseases

Analyte / Test	Discipline	Program
Vitamin A	Chemical Pathology	Vitamins Serum
Vitamin B1	Chemical Pathology	Vitamins Whole Blood
Vitamin B12	Chemical Pathology	Endocrine
Vitamin B12	Chemical Pathology	Liquid Serum Chemistry
Vitamin B2	Chemical Pathology	Vitamins Whole Blood
Vitamin B6	Chemical Pathology	Vitamins Serum
Vitamin B6	Chemical Pathology	Vitamins Whole Blood
Vitamin C	Chemical Pathology	Vitamin C
Vitamin D3	Chemical Pathology	Endocrine: Special
Vitamin D3	Chemical Pathology	Liquid Serum Chemistry
Vitamin E	Chemical Pathology	Vitamins Serum
Von Hippel Lindau Syndrome	Molecular Genetics	EMQN: Disease Specific
von Willebrand Factor Activity	Haematology	von Willebrand Factor
von Willebrand Factor Antigen	Haematology	von Willebrand Factor
von Willebrand Factor Collagen Binding	Haematology	von Willebrand Factor
von Willebrand Factor Multimer	Haematology	von Willebrand Factor
von Willebrand Factor Ristocetin Cofactor	Haematology	von Willebrand Factor
Voriconazole	Chemical Pathology	Special Drugs
VRE screen	Microbiology	VRE Screen Module
WBC Differential (Instrument specific material)	Haematology	Automated Differential: Various modules
WBC	Haematology	CD34
Weak RhD Testing Only	Transfusion	Transfusion Competency Program
Wheat Grain Specific IgE	Immunology	Food Allergy
White Blood Cells	Haematology	Full Blood Count
White Blood Cells	Haematology	PoCT-HemoCue WBC
Wilson Disease	Molecular Genetics	EMQN: Disease Specific
Wound culture/identification	Microbiology	Bacteriology, Genital-Anaerobe
Xanthochromia Screen – Bilirubin	Chemical Pathology	CSF Chemistry
Xanthochromia Screen – Haemoglobin	Chemical Pathology	CSF Chemistry
Y-chromosome microdeletions	Molecular Genetics	EMQN: Disease Specific
Yeast identification, antibiotic susceptibility	Microbiology	Mycology
Yellow Fever	Serology	Flavivirus serology (Viral)
Yo antibodies	Immunology	Neuronal antibodies
Zic4 antibodies	Immunology	Neuronal antibodies
Zika Virus	Serology	Flavivirus serology (Viral)

Analyte / Test	Discipline	Program
Zinc	Chemical Pathology	Trace Elements Serum
Zinc	Chemical Pathology	Trace Elements Urine
Zinc	Chemical Pathology	Trace Elements Whole Blood



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