



# Product Catalogue

## RCPAQAP

The Royal College of Pathologists of Australasia  
Quality Assurance Programs

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RCPA Quality Assurance Programs are world leaders in the provision of external quality assurance (EQA) for pathology laboratories. We offer a comprehensive range of EQA for all disciplines of pathology including Molecular Genetics, Biosecurity and Point-of-Care. Our programs are offered in Australia and internationally in over 60 countries. RCQAQAP is committed to providing an efficient and customer focused service to participants.

Participants are provided with regular and frequent challenges, peer reviewed assessment and educational activities to monitor the quality of their laboratory services ensuring they meet accreditation requirements. Our strength lies in the expertise and support provided by an extensive advisory network consisting of pathologists and scientific staff from Australia and internationally.

## Company accreditation

### ISO/IEC 17043:2010

The RCQAQAP 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

# Anatomical Pathology

The RCPAQAP Anatomical Pathology discipline offers programs 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 programs 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 programs. Each program has an Advisory Committee which is overseen by a convening pathologist.

The Anatomical Pathology Programs Safety Data Sheet (SDS) can be accessed [here](#).

## **ALK Translocation for non-small cell lung carcinoma (NSCLC)** [Catalogue Number: 13020102]

Proficiency testing for laboratories staining ALK immunohistochemistry. Proficiency testing for laboratories interpreting ALK translocation.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained/processed/interpreted for ALK.

**Schedule:** February

**Measurand/Test:** ALK IHC, ALK FISH, ALK Molecular

**Storage and Handling:** Room temperature

**Additional Comments:** 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.

## **Breast Diagnostic** [Catalogue Number: 13040102]

Proficiency testing for laboratories and pathologists reporting breast pathology. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** March

**Measurand/Test:** Breast Histopathology

### **Dermatopathology Diagnostic** [Catalogue Number: 13050102]

Proficiency testing for laboratories and pathologists reporting dermatopathology. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** March

**Measurand/Test:** Skin Histopathology

### **Electron Microscopy Diagnostic** [Catalogue Number: 13060102]

Proficiency testing for laboratories and pathologists reporting transmission electron microscopy. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 3 (educational case may be included)

**Sample Type:** Electron micrographs are available in the myQAP portal. USBs can be purchased separately.

**Schedule:** September

**Measurand/Test:** Transmission Electron Microscopy

**Additional Comments:** EM diagnostic and technical modules continue to be separate enrolments in 2021

### **Electron Microscopy Technical** [Catalogue Number: 13070102]

Proficiency testing for laboratories processing transmission electron microscopy specimens.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 2

**Sample Type:** Lab practice and artefact identification survey. Submission of Electron Micrographs prepared by the laboratory



**Schedule:** September

**Measurand/Test:** Transmission Electron Microscopy techniques

**Additional Comments:** EM diagnostic and technical modules continue to be separate enrolments in 2021

**Fluorescence in-situ Hybridisation (FISH) Diagnostic** [Catalogue Number: 13310101]

Proficiency testing for laboratories reporting fluorescence in-situ hybridisation. A different probe to be tested each year (MYC in 2021).

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections to be stained and interpreted for MYC FISH probe. Virtual H&E and MYC immunohistochemistry will also be available to assist with interpretation separately.

**Schedule:** April

**Measurand/Test:** MYC, FISH

**Additional Comments:** This program is under development and currently not covered under the scope of accreditation by NATA.

**Forensic Diagnostic** [Catalogue Number: 13080102]

Proficiency testing for laboratories and pathologists reporting forensic pathology. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** March

**Measurand/Test:** Forensic Pathology

**Gastrointestinal Diagnostic** [Catalogue Number: 13090102]

Proficiency testing for laboratories and pathologists reporting gastrointestinal pathology. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** July

**Measurand/Test:** Gastrointestinal Histopathology

### **General Diagnostic** [Catalogue Number: 13100102]

Proficiency testing for laboratories and pathologists reporting routine Anatomical Pathology. Educational resource for trainees.

**Frequency (No of surveys/year):** 3

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** February, May, September

**Measurand/Test:** General Histopathology

### **Gynaecology Diagnostic** [Catalogue Number: 13110102]

Proficiency testing for laboratories and pathologists reporting gynaecological pathology. Educational resource for other laboratories/trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** April

**Measurand/Test:** Gynaecological Pathology

### **Haematopathology Diagnostic** [Catalogue Number: 13290102]

Proficiency testing for laboratories and pathologists reporting haematopathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** June

**Measurand/Test:** Haematopathology Histopathology

### **Head and Neck Diagnostic** [Catalogue Number: 13300102]

Proficiency testing for laboratories and pathologists reporting head and neck pathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** June

**Measurand/Test:** Head and Neck Histopathology

**HER2 Brightfield ISH (BRISH) Breast Diagnostic** [Catalogue Number: 13320102]

Proficiency testing for individual pathologists who are involved in the diagnostic interpretation of results for HER2 BRISH testing in breast cancer

**Frequency (No of surveys/year):** 2

**Cases/samples per survey:** 6

**Sample Type:** 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.

**Schedule:** March, August

**Measurand/Test:** Single probe of Dual probe HER2 BRISH for breast cancer interpretation

**HER2 Brightfield ISH (BRISH) Breast Technical** [Catalogue Number: 13250102]

Proficiency testing for laboratories performing HER2 BRISH staining on breast cases

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block are to be stained for HER2 BRISH

**Schedule:** August

**Measurand/Test:** HER2 BRISH breast

**Storage and Handling:** Room temperature

**HER2 Brightfield ISH (BRISH) Gastric Diagnostic** [Catalogue Number: 13130102]

Proficiency testing for individual pathologists who are involved in the diagnostic interpretation of results for HER2 BRISH testing in gastric cases.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 6

**Sample Type:** Stained sections of H&E, HER2 IHC and HER2 BRISH slides are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** August

**Measurand/Test:** HER2 BRISH for gastric cancer interpretation

### **HER2 Brightfield ISH (BRISH) Gastric Technical** [Catalogue Number: 13260102]

Proficiency testing for laboratories performing HER2 BRISH staining on gastric cases.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block are to be stained for HER2 BRISH.

**Schedule:** August

**Measurand/Test:** HER2 BRISH Gastric

**Storage and Handling:** Room temperature

### **Immunohistochemistry Breast Markers** [Catalogue Number: 13150102]

Proficiency testing for laboratories processing immunohistochemistry.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 5

**Sample Type:** 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.

**Schedule:** August

**Measurand/Test:** ER, PR, HER2, CK 5/6, Ki67. Additional option of PD-L1 for TNBC.

**Storage and Handling:** Room temperature

**Additional Comments:** PD-L1 for TNBC interpretation proficiency testing is offered free of charge to RCPAQAP participants through IQNPath. The anatomical pathology team can be contacted for further details.

### **Immunohistochemistry Breast Markers Audit** [Catalogue Number: 13160102]

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.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 100

**Sample Type:** A maximum of 100 cases from the preceding year are submitted.

**Schedule:** February

**Measurand/Test:** Breast marker audit of cases reported by participant

## **Immunohistochemistry General** [Catalogue Number: 13170102]

Proficiency testing for laboratories processing immunohistochemistry.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 3

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained for 3 general markers

**Schedule:** February

**Measurand/Test:** CD56 (alternate synaptophysin), MSH6, HMB45 (alternate MelanA)

**Storage and Handling:** Room temperature

## **Immunohistochemistry Lymphoma Markers** [Catalogue Number: 13180102]

Proficiency testing for laboratories processing immunohistochemistry. A variety of lymphoma markers are assessed.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 3

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained for 3 lymphoma markers.

**Schedule:** February

**Measurand/Test:** CD4 (alternate CD8), CD43 (alternate CD5), BOB-1 (alternate Bcl-2)

**Storage and Handling:** Room temperature

## **Immunohistochemistry PD-L1 for non-small cell lung carcinoma (UKNEQAS)** [Catalogue Number: 13270102]

In collaboration with UK NEQAS. Proficiency testing for laboratories processing PD-L1 immunohistochemistry for non-small cell lung carcinoma. This is a technical proficiency testing module only.

**Frequency (No of surveys/year):** 4

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue and cell lines block to be stained for PD-L1

**Schedule:** May, August, November, February

**Measurand/Test:** PD-L1 for non-small cell lung carcinoma

**Storage and Handling:** Room temperature

**Additional Comments:** PD-L1 interpretation proficiency testing is offered free of charge to RCPAQAP participants through IQNPath. The anatomical pathology team can be contacted for further details.

## **Mohs Diagnostic** [Catalogue Number: 13190102]

Proficiency testing for dermatopathology Mohs Fellows and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal.

**Schedule:** March

**Measurand/Test:** Mohs surgery histopathology

## **Neuropathology Diagnostic** [Catalogue Number: 13200102]

Proficiency testing for laboratories and pathologists reporting neuropathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 12

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** April

**Measurand/Test:** Neuropathology

## **Neuropathology Immunohistochemistry and Technical** [Catalogue Number: 13140102]

Proficiency testing for laboratories processing neuropathology specimens.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 2

**Sample Type:** This is a combined module where unstained formalin fixed paraffin sections are provided for immunohistochemical and special staining.

**Schedule:** April

**Measurand/Test:** Myelin and BRAF V600E (alternate Neurofilament protein)

**Storage and Handling:** Room temperature

## **Oral and Maxillofacial Diagnostic** [Catalogue Number: 13210102]

Proficiency testing for laboratories and pathologists reporting oral and maxillofacial histopathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be



purchased separately.

**Schedule:** March

**Measurand/Test:** Oral and Maxillofacial Histopathology

### **Paediatric Diagnostic** [Catalogue Number: 13220102]

Proficiency testing for laboratories and pathologists reporting paediatric pathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** July

**Measurand/Test:** Paediatric Histopathology

### **ROS1 Translocation for non-small cell lung carcinoma (NSCLC)** [Catalogue Number: 13360102]

Proficiency testing for laboratories staining ROS1 immunohistochemistry. Proficiency testing for laboratories interpreting ROS1 translocation.

**What's new:** New Program

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Unstained formalin fixed paraffin sections comprising of composite tissue block to be stained/processed/interpreted for ROS1.

**Schedule:** August

**Measurand/Test:** ROS1

**Storage and Handling:** Room temperature

**Additional Comments:** This program is under development and currently not covered under the scope of accreditation by NATA.

### **Technical Frozen Section** [Catalogue Number: 13230102]

Proficiency testing for histopathology laboratories performing the frozen section procedure.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 1

**Sample Type:** Participants submit a stained and coverslipped section on a glass slide for assessment of block/section preparation and staining.

**Schedule:** February

**Measurand/Test:** Frozen section

**Storage and Handling:** Freezing, sectioning and staining of fresh tissue

**Technical General** [Catalogue Number: 13240102]

Proficiency testing for laboratories performing general histopathology processes.

**Frequency (No of surveys/year):** 3

**Cases/samples per survey:** 1-2

**Sample Type:** Unstained formalin fixed paraffin sections are provided for most exercises. Unstained tissue sections are submitted by participants for the Processing and Sectioning exercise

**Schedule:** February, April, August

**Measurand/Test:** H&E, Processing and Sectioning, Reticulin, Copper staining

**Storage and Handling:** Room temperature

**Urology Diagnostic** [Catalogue Number: 13280102]

Proficiency testing for laboratories and pathologists reporting urological pathology. Educational resource for other laboratories and trainees.

**Frequency (No of surveys/year):** 1

**Cases/samples per survey:** 10

**Sample Type:** Stained sections are provided as virtual microscope slide images in the myQAP portal. USBs can be purchased separately.

**Schedule:** August

**Measurand/Test:** Urological Histopathology