

## Tissue Sections

### 1.0 PURPOSE

This Standard Operating Procedure defines the criteria for the preparation of tissue sections.

### 2.0 SCOPE

This protocol covers all sections processed by the Biobank whether standard sections, TMA or other specialised section.

### 3.0 RESPONSIBILITIES

Tissue Bank Managers at each site are responsible for ensuring these protocols are adhered to by their staff.

### 4.0 SPECIMEN USES

Sections can be cut from:

- OCT embedded tissue
- FFPE (Formalin Fixed Paraffin Embedded) tissue
- TMA blocks (FFPE cores re-embedded)

Snap frozen tissue must be either embedded or mounted on OCT for cutting.

TISSUE DERIVATIVE	RESEARCH APPLICATIONS	SLIDE TYPE	SECTION THICKNESS
OCT / FFPE	IHC*	Charged	3- 4µm**
	DNA	Plain	10µm**
	RNA	Plain	10µm**
	Laser Micro Dissection	Plain	10µm**
FFPE	TMA	Charged	3- 4µm**

\* **Antibody being used will determine if tissue needs to be OCT or FFPE**

\*\* **Unless otherwise specified by the researcher**

### 5.0 SPECIMEN QUALITY

The tissue received by the Biobank is Pathology Verified via H&E to ensure it matches the diagnosis of the Primary Pathology Report.

Sections are supplied with:

- Primary Pathology Report
- Pathology Verification Report

**NB no H&E is supplied unless specifically requested i.e. % tumour, fee applies**

### 6.0 SAFETY PRECAUTIONS

When handling any biological material extreme care should be taken and samples always handled as an infectious/ hazardous substance. Site OHS policies and procedures for handling hazardous materials must be adhered to.

### 7.0 GENERAL MATERIALS REQUIRED

- 11.1 Plain slides
- 11.2 Charged slides