



# Instructions for FIND IT<sup>®</sup> sample preparation

Information for referring laboratories

PLEASE ENSURE THAT ALL SAMPLES ARE ACCOMPANIED BY A PATHOLOGY REPORT

## General guidelines

Please select the most appropriate block for testing;

- Containing the **greatest amount** of viable carcinoma.
- The **viable invasive neoplastic nucleus content must be  $\geq 10\%$** . This percentage is derived using viable invasive neoplastic nuclei as the numerator, and all nucleated cells (invasive neoplastic cells, lymphocytes, stromal cells, carcinoma *in situ*, necrotic cells) as the denominator. Note macro-dissection of the section can be performed to achieve a  $>10\%$  neoplastic nucleus content if there is a tumour-rich region of the section.
- The section/macro-dissected area must contain  $>100$  malignant cells in total to ensure sufficient DNA is extracted to perform testing.
- Histopathological review will be undertaken by Sullivan Nicolaides Pathology prior to any testing being performed. **Any sample not meeting these criteria will not proceed to the FIND IT test and an alternative sample can be sent as appropriate.**
- A small proportion of samples are not suitable for FIND IT panel testing due to quantity/quality of DNA extracted, if possible targeted testing for the Medicare rebated gene/s will be attempted.

## Sample requirements

Samples are to be provided as either of the following:

Specimen	Specimen additional requirements
<p><b>Slides (15 in total)</b></p> <ul style="list-style-type: none"><li>▪ <b>2 x 4 <math>\mu</math>M H&amp;E stained section</b> on charged/coated slides, representing the <b>first</b> and <b>last</b> sections</li><li>▪ <b>13 x 4 <math>\mu</math>M unstained sections</b> on charged/coated slides</li></ul> <p>Please clean the microtome (e.g. with paraclean) between patients, due to the sensitivity of PCR analysis.</p>	<p>The first and last sections should be stained with H&amp;E. The remaining sections should be dried overnight at 37°C. All slides <b>MUST</b> be labelled with patient identifiers, block identifiers, and numerical sequence (i.e. slide 1 H&amp;E, slides 2-14 unstained, and slide 15 H&amp;E).</p>
<p><b>FFPE block/cell block</b></p> <p>Blocks will be returned after the case has been reported.</p>	<p>Provide the appropriate pathology laboratory address for block return.</p>

Please send the sample and a copy of the original histopathology report (accompanied by an E-order for Sonic Healthcare laboratories) to:

**Molecular Pathology Department**  
Sullivan Nicolaides Pathology  
24 Hurworth Street  
Bowen Hills, QLD 4006