

# FoundationOne® Heme FFPE Specimen (slides or block submission) Preparation Instructions

## NOTE FOR BONE SAMPLES

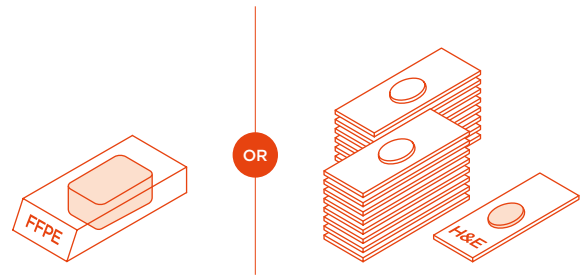
Do not use strong acids to decalcify. Hydrochloric acid should be avoided; Ethylenediaminetetraacetic acid (EDTA) is recommended, and formic acid has mixed results. Place sample in decalcifying solution for minimal amount of time. Using a weaker acid and shorter time for decalcifying preserves the nucleic acid and increases likelihood for getting results on bone samples.

### 1 SAMPLE TYPES

**Formalin-fixed, paraffin embedded (FFPE) BLOCK or 16 unstained slides (+ 1 Hematoxylin and eosin stain (H&E) slide)**

Tissue should be formalin-fixed and embedded into a paraffin block. If sending slides, send 16 unstained slides (charged and unbaked, with tissue cut at a 5 micron thickness) plus 1 H&E slide.

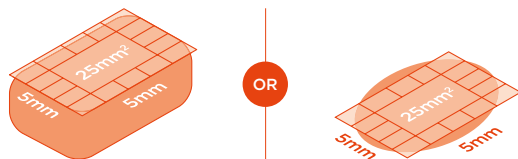
Specimens of suboptimal size, cellularity, or tumour content may require additional unstained slides or an alternate tissue block to be provided.



### 2 SURFACE AREA

**Optimum: 5 × 5 mm<sup>2</sup>**

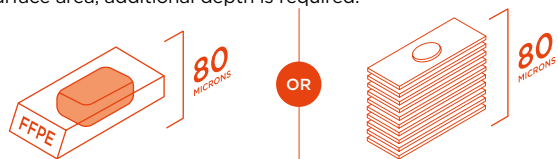
Tissue should have a surface area of at least 25 mm<sup>2</sup> (5 × 5 mm<sup>2</sup>, 2.5 × 10 mm<sup>2</sup>).



### 3 SURFACE VOLUME

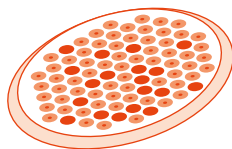
**Optimum: 2 mm<sup>3</sup>**

Optimal sample volume can be achieved by sending optimal tissue surface area (25 mm<sup>2</sup>) at a depth of ≥80 microns. For suboptimal tissue surface area, additional depth is required.



### 4 NUCLEATED CELLULARITY

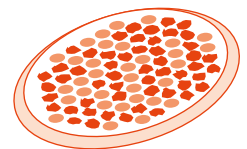
Nucleated cellular elements dictate DNA yield as DNA is extracted from nucleated cells. Samples with low nucleated cellularity (eg. those with abundant mature erythrocytes, lesional cells that contain excessive cytoplasm, or tissue with extensive associated fibrosis) may require greater tissue volume to yield sufficient DNA at extraction.



### 5 TUMOUR CONTENT

**Minimum: ≥20%**

If the ratio of nucleated malignant to nucleated non-malignant cells is too low, sensitivity of detection of certain classes of alterations is reduced and may result in a qualified report or may require an alternate specimen for analysis. High tumour content is preferable.



**Note for liver specimens:** Minimum tumour content is ≥40%.

**Note:** All cytologic and histologic specimens will be reviewed internally by a pathologist and a determination of sample adequacy will be made. Additional or alternate material may be requested for optimal analysis.

## SHIPPING INSTRUCTIONS

- Place the samples, FoundationOne®Heme Requisition Form, pathology report, and any other attachments into the FoundationOne®Heme Specimen Kit.
- Place the Specimen Kit (including samples and paperwork) into the provided shipping pack and seal the shipping pack. Ensure any export documentation (Commercial Invoice) is completed and included in the shipping pack.
- Complete the pre-printed shipping labels (if necessary) and apply to shipping pack.
- Ship sealed shipping pack to: **Accessioning, Foundation Medicine, Inc. 150 Second Street Cambridge, MA 02141**, by dropping the package at your site's designated FedEx pick up location, or call to request a pick up. The local FedEx contact number is indicated on the top of the shipping pack.

## LOCAL AND REGIONAL CONTACT

Please refer to your country  
for local contact details.

For more information, contact  
our APAC Customer Services team:  
[APAC.foundation@roche.com](mailto:APAC.foundation@roche.com)



Roche Singapore Pte Ltd.  
1, Kim Seng Promenade #15-07/11,  
Great World City West Tower, Singapore 237994  
Customer Services team: 1800 2255 364  
03.17-FMI-002

