

Specimen Preparation and Shipping Guidelines

The quality of laboratory results is highly dependent upon proper specimen collection and handling. Specimen storage conditions and stability is critical in isolating high-quality nucleic acids and ensuring maximum sensitivity of detected significant variants.

SOLID TUMOR TESTING

Specimen Requirements	FFPE/TISSUE
Container	Formalin-fixed, paraffin embedded (FFPE) specimens. For FFPE slides: transfer the slides in a slide container. Label the tube well. For FFPE blocks: marked the box and base. Label the box well.
Tumour Content	FFPE: <ul style="list-style-type: none"> - 1 H&E slide and 10 unstained slides, 10 microns thick. Please circle tumor on H&E if microdissection procedures are recommended. - Tumor cells ratio > 30% for samples in a normal cell background - Necrotic tissue ratio is smaller than 50% - Number of slides is dependent on size of the tissue and the tissue fixation and processing.
Volume - Optimal	FFPE slides: <ul style="list-style-type: none"> - For surgical samples, >=10 slides 10-20 microns (at least 5 microns required) thick with a size range of 20mm² to 200mm² - For puncture samples, >=15 slides 10-20 microns (at least 5 microns required) thick with a size range of 20mm² to 200mm² FFPE blocks: <ul style="list-style-type: none"> - 1-2 blocks with ≥(5 x 5) mm² Extracted FFPE DNA: <ul style="list-style-type: none"> - DNA concentration > 10 ng/ul (~ 100-150 ng of DNA in total)
Volume - Minimum	10 slides 10-20 microns thick with a size range of 20mm ² to 200mm ² Note: The extraction process has not been evaluated for specimens less than 5–10µM thick FFPE tissue samples ranging in size from 0.1mm ³ to 2.0mm ³ .
Stability & Storage Requirements	Store sample at room temperature or refrigerated at 4°C. Specimen stored within 1 year Stability: Stable
Transportation Requirement	Ambient transportation
Other Considerations	Microtomy for Molecular Testing, to avoid cross contamination: <ul style="list-style-type: none"> • Clean microtome blade thoroughly or use a new blade before processing each case • Clean the water bath between cases • Wear gloves and change them frequently, especially between specimens, to prevent contamination of the sample.
Unacceptable Specimens	Tissue decalcified in strong acid decalcification procedures.



Shipping Instructions-Use the Solid Tumor Transport Kit

- ❖ Complete request form, making sure all sections are completed in their entirety including Client information, Patient Information, Specimen Information and Test Selection. Missing information may delay reporting of test results.
- ❖ Diagnosis/Patient History is extremely important in rendering the correct interpretation of results and should also be filled out as completely as possible. A copy of a Path report should be included.
- ❖ Ensure the specimen is labeled with patient name and proper identifications. A minimum of two patient identifiers are REQUIRED for each specimen.
- ❖ Complete all required sections on the Sample Request form.
- ❖ If sending FFPE Block, insert up to 3 paraffin blocks into plastic block tray provided. Insert block tray into biohazard bags before transportation.
- ❖ If sending slides, insert slides into plastic slide holders provided. Insert the the slide holders into the biohazard bags. The container will hold up to 2 maximum slide holders.
- ❖ Place folded completed test request form, pathology report, copy of patients 's insurance and/or manifest(s) into the transport kit.
- ❖ Place the biohazard bags containing the samples into the collection kit box
- ❖ Close and seal the box properly for facilitating the transportation.

If you have any questions regarding the kits or instructions for use, please contact us at:

enquiry@amd.com.hk

or call at **852 3589 6301**

Test Ordering-Phone or Email Ordering are available

Results are available within 1 business day upon release.

Contact our customer care for access.

Thank you!