

Tumor Specimen Requirements

FOR QUESTIONS REGARDING SPECIMEN PREPARATION OR SHIPPING, PLEASE CALL US AT 866.262.7943

TISSUE REQUIREMENTS

Tumor blocks from resection/excision are recommended over biopsy specimens

1. Formalin fixed paraffin embedded (FFPE) block (PREFERRED) OR
2. Nine unstained slides mounted with FFPE tissue sections cut at 10 micron, unbaked and one (1) unstained slide with FFPE tissue sections cut at 5 micron thickness, unbaked

PATHOLOGY SPECIMEN CHECKLIST

- total tissue volume > 95 microns thick (in aggregate for slides)
- >25mm² surface area of tumor rich region on H&E
- >20% tumor cellularity
- >80% nucleated cells cellularity
- Viable tumor cell nuclei should constitute at least 20% of total number of all nucleated cells

ACCEPTABLE SPECIMENS

TumorNext-Lynch: Lynch syndrome tumors accepted*

- Block on which DNA mismatch repair protein IHC was completed is preferred if it meets tumor requirements

TumorNext-HRD: only epithelial ovarian cancers (including Fallopian tube and primary peritoneal origin) are accepted

**colorectal, endometrial, Fallopian tube, primary peritoneal, small bowel, stomach, pancreas, appendiceal, gallbladder, bladder, ureter, renal pelvis, prostate carcinomas, sebaceous cancer, colorectal polyps with high grade dysplasia*

UNACCEPTABLE SPECIMENS

<20% viable tumor cellularity

Tumor rich region <25mm²

Specimens fixed/processed in heavy metal fixatives, zinc formalin, or any alternative fixatives other than 10% neutral buffered formalin

Tissues previously frozen

Decalcified specimens