



Heartland  
Pathology  
Consultants, PC

3509 French Park Drive, Suite D  
Edmond, OK 73034

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## MISCELLANEOUS SPECIMEN COLLECTION

Please see “Surgical Tissue Specimen Routine Collection Procedure” for information on labeling specimens, filling out HPC requisitions and handling specimens that need microbial culture.

<b>Specimen/Test</b>	<b>Constitutional genetics for fetal demise, chromosome studies on tissue</b>
Collect:	Small sections of tissue (1.0 x 1.0 cm) are sufficient. (For products of conception, please do not send entire fetus.)
Fixative:	Sterile saline
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Specimen</b>	<b>EGFR Pharm Dx (Epidermal Growth Factor Receptor) in Colorectal cancer</b>
Collect:	Appropriate specimen (or tissue block from previous submission may be used)
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Specimen</b>	<b>ER, PR, Ki67, DNA Analysis, and Her-2/neu in Breast cancer</b>
Collect:	Appropriate specimen (or tissue block from previous submission may be used)
Fixative:	10% Neutral buffered formalin. Record date and time specimen placed in formalin on requisition.
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature. Optimally, specimen should be fixed in 10% neutral buffered formalin between 6 and 48 hours.
<b>Specimen/Test</b>	<b>Eyeball and Cornea</b>
Collect:	Appropriate specimen
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Notes:</b>	See "Surgical Tissue Specimen Routine Collection Procedure" for collection of tissues that need microbial culture.
<b>Specimen/Test</b>	<b>Fetal stillborn</b>
<b>Notes:</b>	Please contact Heartland Pathology Consultants pathologists at 405.715.4500 for further information. HPC can accept stillborns up to 500 g in weight or 20 weeks gestation.
<b>Specimen/Test</b>	<b>Flow cytometry for Tissue</b>
Collect:	Submit 0.5 gm section of tissue tumor
Fixative:	Sterile saline or refrigerated in-date RPMI (RPMI refrigerated media may be provided to clients who frequently collect this type of specimen)
Storage:	Refrigerate



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Transport:	Refrigerate - Specimens should be collected Monday-Friday and may be sent with routine courier pick-up, if collected in RPMI, otherwise call for stat pickup.
<b>Notes:</b>	Please contact Heartland Pathology Consultants at 405.715.4500 to let us know of the specimen collection. Please mark requisition with appropriate patient history, source information and "flow cytometry" and/or "surgical pathology," if needed.
<b>Specimen/Test</b>	<b>Flow cytometry for Bone Marrow</b>
Collect/Fixative:	Bone Marrow: Collect 2-3 mL of marrow in Na Heparin (green-top tube). Peripheral Blood: Collect 7 mL whole blood in Na Heparin (green-top tube) or 5 mL in EDTA (lavender-top tube).
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Notes:</b>	Please contact Heartland Pathology Consultants at 405.715.4500 to let us know of the specimen collection. Please mark requisition with appropriate patient history, source information and "flow cytometry for bone marrow."
<b>Specimen</b>	<b>KIT, and PDGFRA for GIST (GI Stromal Tumor)</b>
Collect:	Appropriate specimen (or tissue block from previous submission may be used)
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Specimen</b>	<b>HPV Typing</b>
Collect:	Appropriate specimen (or tissue block from previous submission may be used)
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Specimen</b>	<b>Quantitative Iron in Liver Tissue</b>
Collect:	A minimum of 2 mg liver tissue is required. Typically, this is a piece of tissue from a 14-gauge needle biopsy at least 0.5 cm long. If an 18-gauge needle is used, the tissue must be at least 1 cm in length. The 18-gauge needle produces a specimen that is thin and fragile and difficult to remove from paraffin.
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Notes:</b>	Include clinical information and suspected diagnosis, patient <b>AGE</b> .
<b>Specimen/Test</b>	<b>Muscle Biopsy</b>
<b>Notes:</b>	Please contact Heartland Pathology Consultants pathologists at 405.715.4500 for further information.
<b>Specimen/Test</b>	<b>Nerve Biopsy</b>
<b>Notes:</b>	Please contact Heartland Pathology Consultants pathologists at 405.715.4500 for further information.



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<b>Specimen</b>	<b>Oncotype DX for Breast Cancer</b>
Collect:	Appropriate specimen (or tissue block from previous submission may be used)
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Specimen</b>	<b>Peripheral Smear Consult</b>
Collect/Fixative:	Peripheral Blood: Collect 4 mL blood in an EDTA (lavender-top) tube and prepare 3-4 peripheral smear slides and label "peripheral."
Storage:	Refrigerate EDTA tube for CBC. Ambient temperature for peripheral smears.
Transport:	Refrigerate EDTA tube for CBC. Ambient temperature for peripheral smears.
<b>Notes:</b>	Any appropriate clinical history should accompany the peripheral smear. This might include relevant laboratory data such as iron studies, folate or vitamin B12 studies, transfusion therapy or history of chemotherapy. The physician's clinical impression is also helpful. A copy of the CBC printout from the hematology analyzer is useful.
<b>Specimen/Test</b>	<b>Placenta</b>
Collect:	Placenta at the time of delivery and place in "mammoth" size container
Fixative:	10% Neutral buffered formalin
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature
<b>Notes:</b>	<ol style="list-style-type: none"> <li>1. Constitutional genetic studies for fetal demise and chromosome studies (DO NOT SUBMIT IN FORMALIN). See "Constitutional genetics for fetal demise")</li> <li>2. Frozen placentas may also be submitted for surgical pathology and should be submitted covered with formalin in a "mammoth" size container.</li> <li>3. If possible, submit a "History for Placental Examination"</li> </ol>
<b>Specimen</b>	<b>Renal Biopsy</b>
<b>Notes:</b>	Please contact Heartland Pathology Consultants pathologists at (405) 715-4500 for further information.
<b>Specimen</b>	<b>Small Bowel for Disaccharidase Determination Enzyme Studies</b>
Collect:	A 3 mg (2mm circumference or size of a straight pin head) sized specimen should be collected fresh.
Fixative:	<b>NO FIXATIVE, FREEZE IMMEDIATELY</b>
Storage:	Place immediately in the freezer in a small, tightly capped tube or empty container. (Do not use gauze, filter paper, or saline to support the tissue).
Transport:	<b>FROZEN "STAT" TRANSPORT.</b> Specimens should be collected Monday-Wednesday, if possible, and sent "stat" to the HPC Laboratory in the frozen state. Please contact HPC for stat pickup at 405.715.4500 and let them know the specimen needs to be kept frozen.
<b>Notes:</b>	If specimen is collected on Thursday or Friday, it must be kept frozen over the weekend and shipped by Federal Express on Monday. The specimen is susceptible to degradation with the delay in processing. Kaleida Health Children's Hospital of Buffalo does not accept specimens on Saturday.



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Specimen	Stones (Kidney stones, Bladder stones, and Gallstones for Content Analysis)
Collect:	Stones, fresh
Fixative:	<b>NO FIXATIVE</b>
Storage:	Ambient temperature
Transport:	Routine transport at ambient temperature