









## Surgically Collected Cultures-Quick Reference Guide 38.15.T02

### Collection and ordering:

- Each specimen submitted for lab testing requires having an order; otherwise, it may be lost (i.e. order number used for tracking).
- The test order(s) and each corresponding specimen must include culture type, source and any specific descriptions.
- When possible, place the test order label(s) on the corresponding specimen container.
- Please call the Infectious Disease Department with any questions (701-417-7383).

Source	Type	Test	Order Code	Specimen <b>(DO NOT ADD FORMALIN)</b>	Quantity	Stability	Final Result
Multiple	Aspirate Fluid Tissue Bone	Culture Bacterial, other with Gram Stain	MICR0032 (Aerobic only)	<p>Aspirates, Sterile body fluids and Tissue <u>in a sterile container.</u></p>  <p>Eswab* not recommended. (DO NOT select tissue as specimen type/source when ordering).</p>	<p>Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests.</p> <p>Fluids collected via Eswab will include specimen integrity disclaimer.</p>	<p>Sterile container: 2 h</p> <p>Eswab :48 h</p>	3 - 5 days
Multiple	Aspirate Fluid Tissue Bone	Culture Bacterial, other (Does not include Gram stain)	MICR0003 (Aerobic only)	<p>Surgically removed hardware including Pacemaker leads, valves, and ports in a sterile container.</p>  <p>Eswab* not recommended. (DO NOT select tissue as specimen type/source when ordering)</p>	<p>Fluids collected via Eswab will include specimen integrity disclaimer.</p>	<p>Sterile container: 2 h</p> <p>Eswab : 48 h</p>	3 - 5 days
Source	Type	Test	Order Code	Specimen <b>(DO NOT ADD FORMALIN)</b>	Quantity	Stability	Final Result

Shoulder Knee Hip Ankle Elbow Toe Synovial Joint	<b>Aspirate Fluid Tissue</b>	<b>Orthopedic Extended Incubation Culture with Gram Stain</b>	<b>MICR0046</b> (Aerobic and anaerobic culture included in test code)	<b>Aspirates, Sterile body fluids and Tissue in a sterile container.</b>  Eswab* not recommended. (DO NOT select tissue as specimen type/source when ordering).	<b>Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests.</b>  <b>Fluids collected via Eswab will include specimen integrity disclaimer.</b>	Sterile container: 2 h  Eswab* (Aerobic/anaerobic): 48 h	14 days
Multiple	<b>Aspirate Fluid Tissue Bone</b>	<b>Culture Bacterial, Anaerobe</b>	<b>MICR0009</b> (Anaerobic only)	<b>Aspirates, Sterile body fluids and Tissue in a sterile container.</b>  Eswab* not recommended. (DO NOT select tissue as specimen type/source when ordering).	<b>If this is the only existing culture order, MICR0032 (Aerobic culture) will be added.</b>  <b>Fluids collected via Eswab will include specimen integrity disclaimer.</b>	Sterile container: 2 h  Eswab (Aerobic/anaerobic): 48 h	5 - 7 days
Multiple	<b>Aspirate Fluid Tissue Bone</b>	<b>Culture, <i>Actinomyces</i></b>	<b>MICR5009</b>	<b>Aspirates, Sterile body fluids and Tissue in a sterile container.</b>  Eswab* not recommended. (DO NOT select tissue as specimen type/source when ordering).	<b>Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests</b>  <b>Fluids collected via Eswab will include specimen integrity disclaimer.</b>	Sterile container: 2 h  Eswab (Aerobic/anaerobic): 48h	14 days
<b>Source</b>	<b>Type</b>	<b>Test</b>	<b>Order Code</b>	<b>Specimen (DO NOT ADD FORMALIN)</b>	<b>Quantity</b>	<b>Stability</b>	<b>Final Result</b>

Multiple	Aspirate Fluid Tissue Bone	Culture, Acid Fast Bacillus with Stain	MICR0019	<p><b>Do not submit specimens on swabs. They will be rejected.</b></p> <p>Aspirate, sterile body fluid or Tissue <u>in a sterile container.</u></p> 	Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests	Sterile container: 2h	8 weeks
Multiple	Aspirate Fluid Tissue Bone	Culture, Fungal	MICR0023	<p>Aspirate, Sterile body fluid or Tissue in a sterile container.</p> 	Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests Fluids collected via Eswab will include specimen integrity disclaimer.	Sterile container: 2h	4 - 6 weeks
Multiple	Aspirate Fluid Tissue Bone	Culture, Nocardia	MICR5000	<p>Aspirate, Sterile body fluid or Tissue in a sterile container.</p>  <p>Eswab* not recommended (DO NOT select tissue as specimen type/source when ordering).</p>	Aspirate, Sterile body fluid or Tissue in a sterile container can be split among tests  Fluids collected via Eswab will include specimen integrity disclaimer.	Sterile container: 2h  Eswab: 48h	2 weeks

\*Eswab:



## Surgically Collected Specimen for Pathology/Cytology Review-Quick Reference Guide

Collection and ordering:

- Each specimen submitted for lab testing requires having an order; otherwise, it may be lost (i.e. order number used for tracking).
- The test order(s) and each corresponding specimen must include descriptions and any clinical history/special instructions.
- When possible, place the test order label(s) on the corresponding specimen container.
- See Lab Test Catalog for further instructions: <https://sanfordlabfargo.testcatalog.org/>
- Please call the Pathology Department with any questions (701-417-7386).
- Please call the Cytology Department with cytology questions (701-417-7350).

Source	Type	Test	Order Code	Specimen	Quantity	Stability	Final Result	RN to use dotphrase
Multiple	Tissue	Tissue Exam aka: Pathology	PATH1006  Use PATH1012 for POC, Fetal Demise, or Stillborn (See below)	Any clinically relevant surgically removed tissue must be sent to pathology	Entire specimen collected  If specimen is to be shared with other tests: indicate in order comment and place other orders as appropriate and call lab for awareness - <u>Frozen Sections</u> : no additional order: indicate on specimen and call pathology - <u>Chromosome Analysis</u> : Answer questions in PATH1012 order - <b>Lymphoma Protocol:</b> Tissue Exam & LBOR0151- select both in Test field & enter dotphrase. - <u>Crystals Analysis</u> : indicate in comment of order - <u>Microbiology</u> : appropriate micro order	To assist the lab in processing please note in comment of order: <b>DO NOT PLACE FORMALIN ON THE FOLLOWING TESTS:</b> - Frozen Sections - Chromosome Analysis - Lymphoma Protocol - Crystals Analysis - Any specimen that needs to share with Microbiology for cultures  <b>All other specimens must be placed in formalin ASAP</b>	2-6 days	Lymph Node Protocol use: .SHLNP
Source	Type	Test	Order Code	Specimen	Quantity	Stability	Final Result	RN to use dotphrase

POC FETUS PLACENTA UTERUS	Tissue	POC/FETAL DEMISE/SILLBORN EXAMINATION	PATH1012**  **All POC/Fetal Demises sent to pathology must have an order	Products of Conception, Fetal Demise, or Stillborn (only <20 weeks gestation)	Entire POC, Fetal Demise, or Stillborn	<b>NO FORMALIN IF CHROMOSOME TESTING IS ALSO ORDERED</b>  Send to lab ASAP	2-6 days	Products of Conception use: .SHPOC
Cannot order at this time.  Chorionic Villi- Requested for Pathology Optimization	Tissue	Chromosome Analysis, Chorionic Villus Sampling	<b>NBLD0496 (Reason for Referral)</b>  Must be ordered only if >20 weeks gestation	Products of Conception, Fetal Demise/Stillb orn (only >20 weeks gestation), or placenta  Fresh only (no formalin)	Appropriate specimen transferred from POC, fetus/still born, or placenta into Hank's solution by pathologist	<b>NO FORMALIN</b>  Must be placed into Hank's solution by lab ASAP.  Call Pathologist on call if after hours	21-30 days	
Lymph Node  Bronchial Washings  Bone Marrow  Cerebrospinal Fluid  BAL (Bronchial Alveolar Lavage)  Pleural	Tissue Fluid Aspirate	Flow Cytometry  Aka: Lymphoma protocol	LBOR0151	Tissue/FNA, Peripheral Blood Bone Marrow Body Fluid	2mL sample	<b>NO FORMALIN</b>  72 hrs in proper media: <u>Tissue/FNA:</u> Must be placed into RPMI solution by lab ASAP <u>Peripheral Blood:</u> EDTA tube <u>Bone Marrow:</u> NA Hep tube <u>Body Fluid:</u> Sterile container	1-3 days  M-R ONLY (cut - off for test setup is Friday at noon).	

Source	Type	Test	Order Code	Specimen	Quantity	Stability	Final Result	RN to use dotphrase:
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Multiple	Fluid	Cytology, Body Fluid/Other	PATH1002	Serous Effusions (pleural, pericardial, peritoneal), Bile Duct, Bile Duct Brushing, Hepatobiliary Brushing, Biliary Stricture Malignancy, Cholangiocarcinoma, Nipple Smear, Anal Pap, Esophageal Brushing, Any Non-respiratory Washing/Brushing	Preferred Volume: Body Fluids (pleural, pericardial, peritoneal/ascites): up to 200 mL specimen CSF: all specimen collected Other Fluids/brushings: up to 100 mL specimen	1 day (without fixative), if refrigerated	2-5 days	
Bronchial Washing  Bronchial Brushing  BAL (Bronchial Alveolar Lavage)	Fluid	Cytology Pulmonary	PATH1009	Bronchial Brushing, Bronchial Washing, Bronchial Lavage	Brushing: For Infection: cut brush tip off and place in properly labeled 120 ml sterile specimen container. Add enough sterile saline to cover the brush specimen (up to 30 mL) to the container Malignancy Only (no culture): cut brush tip off and place in prefilled CytoLyt container  Washing or Lavage: Preferred 100mL (minimum 10mL)	1 day (without fixative), if refrigerated	2-5 days	
Source	Type	Test	Order Code	Specimen	Quantity	Stability	Final Result	

Urine	Fluid	Cytology, Urine	PATH1000	Urine, Ureter washing, Renal washing, Ileal Conduit	Up to 100mL (including fixative)	1 day without fixative, if refrigerated.  Fixation: ~1:1 ratio of CytoLyt to specimen. More fixative than specimen is okay.  If CytoLyt unavailable, ~1:1 ratio of 50% ethanol to specimen.	2-5 days	
Adrenal Gland [3] Bile Duct [325] Breast [19] Lung [95] Lymph Node [96] Pancreas [121] Parotid Gland [304] Thyroid [256] Transbronchial Fine Needle Aspirate [294] Other – specify in comments [236] Cyst [215] Bursa [366] Ganglion [367] Ovary [339] Liver [93] Kidney [85] Neck [111] Salivary Gland [251]	Slide(s) and/or Fluid	Cytology, Fine Needle Aspiration	PATH1001	Synovial Fluid- Requested to be added.  Cyst Aspiration, Breast Cyst Aspiration, Superficial Solid Mass FNA (any body site)	Entire specimen collected	<b>NO FORMALIN or 95% ETHANOL</b>  1 day (without fixative), if refrigerated  Fixation: Specimen must be placed into prefilled CytoLyt collection vial  If CytoLyt not available: place into sterile cup and add 50% ethanol in a 1:1 ratio to specimen	2-5 days	
<b>Source</b>	<b>Type</b>	<b>Test</b>	<b>Order Code</b>	<b>Specimen</b>	<b>Quantity</b>	<b>Stability</b>	<b>Final Result</b>	

Sural Nerve	Tissue	Tissue Biopsy Sendout, Nerve	NBLD0546	Sural nerve specimen special collection for send out	At least 5cm long segment Follow Mayo "Nerve Biopsy Specimen Preparation Instruction"	Gross lab must be notified 2 weeks, or as soon as possible, before collection to obtain proper kit. <b>Only collect on Monday, Tuesday, Wednesday from 8-11am</b>	7-10 days	
Skin	Tissue	Epidermal Nerve Fiber Density Consult	NBLD0577	Skin punch specimens special collection for send out  Preferred source: Distal leg, mid-thigh, dorsal foot, and lower abdomen	The standard biopsy for evaluating distal small fiber sensory neuropathy includes two 3-mm skin punch biopsies from the same side of the body  Must be collected and placed in both "A" containers in the Mayo kit	Only collect on Monday-Wednesday	7-14 days	
Muscle	Tissue	Tissue Biopsy Sendout, Muscle	NBLD0547	Muscle Biopsy special collection for send out	Adult: 1.5 x 0.5cm biopsy Pediatric: 2 pieces at least 1.5x1.5x1.5cm	Gross lab must be notified 2 weeks, or as soon as possible, before collection to obtain proper kit. <b>Only collect on Monday, Tuesday, Wednesday from 8-11am</b>	4-15 days	
Kidney	Tissue	Tissue Biopsy Sendout, Renal	NBLD0543	Renal Biopsy special collection for send out	3 biopsy cores into specified medias- two in formalin, one in Michel's media		5 days	