

Source	Collection Guideline	Volume
Body fluid / peritoneal fluid	Sterile needle aspiration	Preferred: 10 mL
Bronchial wash/ BAL	Lavage the area of the bronchus to be sampled Collect in trap/ tube	Preferred: 7-10 mL
Cerebrospinal fluid (CSF)	Sterile lumbar puncture The sample should be free of blood and solid materials	Preferred: 3-5 mL
Pleural fluid	Sterile thoracentesis	Preferred: 10 mL
Tzank smear	1. Deroof the lesion with a blunt scalpel 2. Scrape the base of the lesion 3. Smear the tissue onto a clean microscope slide 4. Air dry before transporting	1-3 slides Placed in a slide holder or petri dish

Fine Needle Aspiration (FNA)

- Call CMH Histology (X53827) with the following information:
 - Patient name (first & last), MRN, procedure site, and scheduled date & time of the procedure
- ALL FNA are contracted through University Health System; Histology staff will call University Health Cytology (816) 404-0604
- At the scheduled time CMH Histology will provide: CMH requisition, all collection media, slides, and microscope
- Specimens are submitted directly to University Health for processing and interpretation

Basic steps for collection:

1. Verify patient name and birth date.
2. Place a patient sticker on all collection containers along with FNA site.
3. Label two slides with patient's name, birthdate, and FNA site.
 - a. When aspirate is obtained, apply one drop on one of the two labeled slides.
 - b. Invert the second slide, applying pressure to smear the specimen between the two slides to obtain mirror image smears.
 - c. Immediately, to prevent air dry effect, place one of the slides in the Pap Fixative (95% alcohol).
 - d. Air dry the mirrored slide for Diff Quik staining. This slide is reviewed microscopically for adequacy.
 - e. Rinse the needle and syringe in RPMI. This is used for the Thin Prep.
4. This process is repeated for every pass collected. 3-5 passes are recommended.
5. Complete a final verification of the requisition with patient ID label, source of specimen, time collected, number of passes, and history.

See page 2 for information about additional orders done as part of the FNA

Additional orders as part of an FNA?

Flow Cytometry (lymphoma studies):

- Requires one additional pass along with all needle rinses inject/rinse material directly into RPMI
- Label with 2 patient identifiers (first & last name, DOB, MRN, FIN), specimen source, and date & time collected
- These are submitted to the CMH Laboratory

Thyroid specimens for molecular testing:

- Preauthorization to be obtained by CMH Genetics Laboratory before procedure
- Requires one additional pass along with all needle rinses inject/rinse material directly into RPMI
- Label with 2 patient identifiers (first & last name, DOB, MRN, FIN), specimen source, and date & time collected
- These are submitted to the CMH Laboratory