

## Collection Instructions: Fine needle aspirate biopsy (FNAB) needle wash for Thyroglobulin testing (Test ID: THYROG FL)

Needle wash specimens are collected as an adjunct to cytologic investigation and can be performed on the same collection/specimen.

To measure thyroglobulin (Tg), the FNA needle is rinsed with a small volume of normal saline solution immediately after the cellular components collected from the biopsy are expelled from the needle for a smear or cytotrap preparation.

### Collection Instructions

1. Prepare normal saline for needle wash and keep it accessible. (Saline is the only acceptable solution for needle washings).
2. Following FNA biopsy (FNAB), expel collected material onto a slide for cytological analysis.
3. After each fine-needle aspiration biopsy (FNAB) has been collected and the material in the needle has been expelled onto a slide for cytologic analysis, attach the used FNAB needle to an empty syringe.
4. Withdraw between 0.10 mL and 0.25 mL of saline up through the needle until the saline starts to fill the hub of the needle or end of the syringe.
5. Expel this fluid back through the needle into a separate plastic aliquot tube/container. This is the needle washing used for analysis.
6. Repeat steps 2 through 4 for each needle pass of the same biopsied site and empty into the same tube, accumulating a total of 0.5 mL to 1.0 mL of fluid to send to the laboratory. (If more than 1 site is biopsied, see Additional Information below)
7. The lab should inspect wash specimen for visible blood or tissue contamination:
  - a) If specimen is bloody, centrifuge specimen and transfer supernatant to a new plastic aliquot tube. The supernatant, not the cellular material, is required for analysis.
  - b) If specimen is clear, centrifugation is not necessary.
8. The lab should freeze the wash specimen within 8 hours of collection and transport to ICL frozen. Preferred needle wash volume to be submitted to ICL: 1.0 mL. A minimum of 0.5 mL is required for testing - however, the total collection volume should not exceed 1.5 mL. Specimen volumes outside these parameters may be rejected.

### Additional Information (multiple biopsy sites)

1. If more than 1 site is biopsied, each washing material should be submitted in a separate tube and under a different order number.
2. Do not send a saline control. This test has been validated to rule-out saline matrix effect.