

Instructions for Use

StatPrep CytoLysis Solution



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
CY32-LYSIS/32	StatPrep CytoLysis Solution, 32oz	1 32oz bottle
CY50-LYSIS/30ML	CytoLysis Prefilled Centrifuge Tubes, 30mL	100 per case (4 cartons of 25 vials)

INTENDED USE

StatPrep CytoLysis Solution is used for the collection of cytology specimens intended for liquid-based cytology processing. Personal protective equipment, including gloves and eye protection, should be worn when handling, and work should be done in a well-ventilated area.

APPLICATIONS

Liquid based cytology collection

STORAGE AND STABILITY

Store locked up. Store in a well-ventilated place. Keep cool. Refer to SDS for details.

SPECIMEN PREPARATION

Collect and prepare specimen in StatPrep Cytolysis.

PROCEDURE

Body Fluids

- 1 Collect body fluid fresh. If collecting directly into StatPrep CytoLysis Solution, a solution wash is required prior to instrument processing. For bloody fluid, start with only 10mL of fresh fluids.
- 2 Centrifuge at 600g for 10 minutes.
- 3 Gently pour off the supernatant, being cautious not to disturb the cell pellet at the bottom. Resuspend the cell pellet through either a vortexor or syringing the pellet back and forth with a pipette.
- 4 Add 30mL of StatPrep CytoLysis Solution, centrifuge, pour off supernatant, and resuspend pellet.
- 5 If the cell pellet contains blood or is not in a liquid form, add 30ml of StatPrep CytoLysis Solution and repeat from step 2.
- 6 Transfer specimen to a vial with StatPrep Preserve and let sit for 15 minutes.
- 7 Process specimen in accordance with lab procedures.

Mucoid Specimens

- 1 Collect the sample directly into a 30mL prefill of StatPrep CytoLysis Solution OR pour 30mL of CytoLysis into to the fresh specimen. Large specimens exceeding 20mL should be concentrated before adding CytoLysis Solution. When working with respiratory mucoids and dithiothreitol, add stock before agitation.
- 2 Vortex for at least 5 minutes.
- 3 Centrifuge at 600g for 10 minutes.
- 4 Gently pour off the supernatant, being cautious not to disturb the cell pellet at the bottom. Resuspend the cell pellet through either a vortexor or syringing the pellet back and forth with a pipette.
- 5 If the cell pellet contains blood or is not in a liquid form, add 30ml of StatPrep CytoLysis Solution and repeat steps 2-4.
- 6 Transfer specimen to a vial with StatPrep Preserve and let sit for 15 minutes.
- 7 Process specimen in accordance with lab procedures.


Urine

- 1 Fresh urine may be collected into StatPrep Preserve at a 2:1 urine-to-StatPrep Preserve ratio.
- 2 Divide sample evenly between two labeled 50mL centrifuge tubes.
- 3 Gently pour off the supernatant, being cautious not to disturb the cell pellet at the bottom. Resuspend the cell pellet through either a vortexor or syringing the pellet back and forth with a pipette.
- 4 Add 30mL of StatPrep CytoLysis Solution to only one 50mL tube and vortex. Add contents to second 50mL tube, centrifuge, pour off supernatant, and resuspend pellet.
- 5 If the cell pellet contains blood or is not in a liquid form, add 30ml of StatPrep CytoLysis Solution and repeat from step 4.
- 6 Transfer specimen to a vial with StatPrep Preserve and let sit for 15 minutes.
- 7 Process specimen in accordance with lab procedures.

Fine Needle Aspirates (FNA)

- 1 Collect the sample directly into a 30mL prefill of StatPrep CytoLysis Solution OR pour 30mL of CytoLysis into to the fresh specimen. If the specimen is collected in an intravenous solution, use a balanced electrolyte solution.
- 2 Prior to aspirating sample, it is best to flush the needle and syringe with a sterile anticoagulant solution. Be cautious when using anticoagulants as this could interfere with other cell processing techniques.
- 3 Centrifuge at 600g for 10 minutes.
- 4 Gently pour off the supernatant, being cautious not to disturb the cell pellet at the bottom. Resuspend the cell pellet through either a vortexor or syringing the pellet back and forth with a pipette.
- 5 If the cell pellet contains blood or is not in a liquid form, add 30ml of StatPrep CytoLysis Solution and repeat from step 2.
- 6 Transfer specimen to a vial with StatPrep Preserve and let sit for 15 minutes.
- 7 Process specimen in accordance with lab procedures.

Please contact tech@statlab.com with any additional questions.

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