

Document Name: Wet mount resulting in LIS

Approved By:

Status: **DRAFT**

PURPOSE: To report the wet mount results in a consistent manner.

SAMPLE INFORMATION:

Type	<ul style="list-style-type: none"> • Vagina. • Cervix. • Urethra (male and female). • Refer to MIC10230 - Microbiology Specimen Processing.
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SUPPLIES:

- Glass microscope slides and coverslips
- Microscope
- Sharps container

SPECIAL SAFETY PRECAUTIONS:

Containment Level 2 facilities, equipment, and operational practices for work involving infectious or potential infectious materials or cultures.

- Lab gown must be worn when performing activities with potential pathogens.
- Gloves must be worn when direct skin contact with infected materials is unavoidable.
- Eye protection must be used when there is a known or potential risk of exposure of splashes.
- All procedures that may produce aerosols, or involve high concentrations or large volumes should be conducted in a biological safety cabinet (BSC).
- The use of needles, syringes and other sharp objects should be strictly limited.

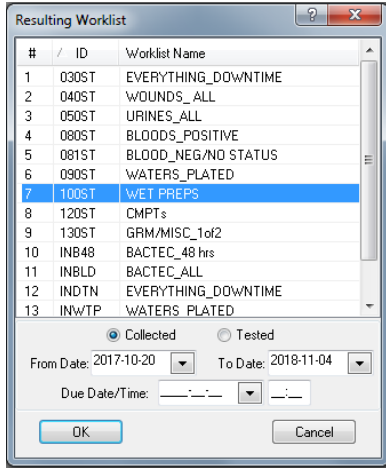
All patient specimens are assumed to be potentially infectious. Universal precautions must be followed. Since viable micro-organisms are used, all cultures must be handled with appropriate precautions. All equipment in contact with cultures should be decontaminated by appropriate methods.

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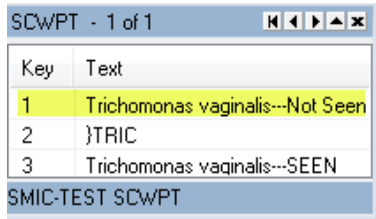
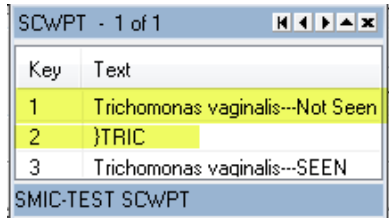
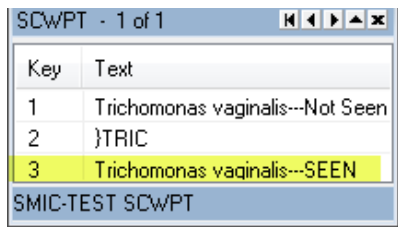
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PROCEDURE INSTRUCTIONS:

Step	Action
Processing swabs for wet mount	
1	<p>Pending wet mounts are found in the LIS under: Resulting Worklist → WET PREPS</p> 
2	Remove rack of wet mount samples from the O ₂ incubator after a 15 minute incubation.
3	Enter the accession number on the test tube and select enter to mark the order. Select enter again to open Result Entry or double click on accession number to open.
4	Verify that the age of the specimen is not ≥ 72 hours. If ≥ 72 hours old, specimen is unsuitable for trichomonas analysis and the test needs to be cancelled. Select Cancel Test and insert cancelation comment IXTRICH to state: “Specimen in transit greater than 72h. Vaginal swabs should be submitted to the laboratory optimally within 24 hours for Trichomonas examination. Unsuitable for Trichomonas analysis.”
5	Gently press the swab onto the microscope slide and return it to the original transport tube. Place coverslip on the slide and allow to settle.
6	Using the highest dry objective (40X), observe for trichomonads, which are flagellated. TIP: Decrease the light of the microscope by closing the diaphragm.
7	In order to report trichomonads, the flagella must be seen and motile.
8	Under the test code: SCWPT , use the SCWPT keypad to report the presence or absence of Trichomonas vaginalis.
9	Dispose of slides in sharps container.

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REPORTING OF WET PREP RESULTS:

IF	REPORT
Trichomonas not seen. Sample < 24 hours old.	<ul style="list-style-type: none"> On the SCWPT keypad, select Key 1 to state: “Trichomonas vaginalis – Not Seen”  <ul style="list-style-type: none"> Finalize SCWPT. Preview instant report and save.
Trichomonas not seen. Sample > 24 hours old but ≤ 72 hours old.	<ul style="list-style-type: none"> On the SCWPT keypad, select Key 1 to state: “Trichomonas vaginalis – Not Seen” On the SCWPT keypad, select Key 2 to state: NOTE: The presence of Trichomonas cannot be ruled out since there was a delay >24hrs in transport and/or processing of this specimen.”  <ul style="list-style-type: none"> Finalize SCWPT. Preview instant report and save.
Trichomonas seen (parasite must be motile)	<ul style="list-style-type: none"> On the SCWPT keypad, select Key 3 to state: “Trichomonas vaginalis – SEEN”  <ul style="list-style-type: none"> Finalize SCWPT. Preview instant report and save.

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LIMITATIONS:

1. The wet mount is dependent on the expertise of the microscopist.
2. White blood cells are often confused with trichomonads that are no longer moving, which can be avoided by careful examination for the characteristics of the parasite.

REFERENCES:

- Clinical Microbiology Procedures Handbook, 4th edition, ASM Press, 2016.

REVISION HISTORY:

REVISION	DATE	Description of Change	REQUESTED BY
1.0		Initial Release	L. Steven

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