 <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p> <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-57-P01-S09
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Hematology
	Document Title:	MUCIN CLOT TEST

PURPOSE:

To describe in detail how to prepare and process the Mucin Clot test correctly and always in the same manner. It is a test for evaluating synovial fluid (SF) viscosity or quality of the SF mucin clot, which reflects hyaluronidate polymerization and to detect the presence of inflammation (Septic Arthritis, Gouty Arthritis and Rheumatoid Arthritis).

SCOPE:


Applies to all Hematology Section Staff of Laboratory Department of Dr. Pablo O. Torre Memorial Hospital (DPOTMH)

PERSON RESPONSIBLE:

Medical Technologists (Medical Laboratory Scientists), Pathologists, Medical Doctors, Nurses, Medical Trainees, Laboratory Clerks

PROCEDURE:

1. Hand washing shall be performed before and after the procedure.
2. The wearing of Personal Protective Equipment such as gloves, masks, goggles/face shield and gowns shall be observed in doing the procedure.
3. Sample (synovial fluid) must be placed in a clear, dry, leak-proof, screw-capped container.
4. The Medical Technologist or Nurse forwards properly the sample and patient's request to the Hematology Section. Medical Technologist then checks sample label, volume and clots prior to analysis. Not properly labeled sample is given back to the one endorsed for correct labeling.
5. Prepare 5% Acetic Acid:
 - 5.1 Into a 50 mL volumetric flask, pipette 23.75 mL of distilled water.
 - 5.2 Add 1.25 mL glacial acetic acid.
 - 5.3 Swirl to mix.
6. The Medical Technologist notes macroscopic findings in the request and encodes results in the system.


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Interpretation of Result: GOOD: Coagulum formation
FAIR: Small coagulum with threadlike formation
POOR: Turbid



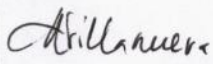
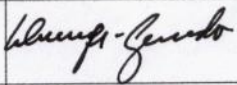

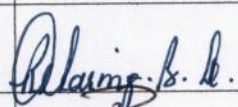
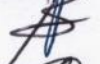
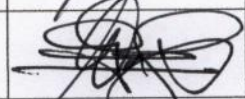
7. The Medical Technologist/Laboratory Clerk prints out results for outpatients at the reception area upon presentation of the Official Receipt (OR) and results for admitted patients can be viewed and printed out by nurses to its respective stations.
8. Names and results of patient shall be recorded in the Hematology/Miscellaneous logbook. Turn-around time for releasing Mucin Clot result is within 2 hours.

REFERENCE:

<https://www.sciencedirect.com/synovial-fluid>

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	MONICA B. VILLANUEVA, RMT, PhD Laboratory Manager		7-6-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology		7-6-2022
Reviewed:	DENNIS C. ESCALONA, MN, FPSQua Quality Assurance Supervisor		07-06-2022
Recommending Approval:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer		07.06.2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division		7/5/22
Approved:	GENESIS GOLDI D. GOLINGAN President and CEO		9/11/22



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KEY TASKS	PERSON RESPONSIBLE
1. Encode the request of the patient to BIZBOX system.	Laboratory Clerks and Nurses
2. Instructs patient/nurse for sample preparation.	Medical Technologist/Nurse
3. Ensure sample is acceptable for testing.	
4. Properly and safely dispose of biohazardous and infectious wastes and materials.	
5. Encodes the request in the system.	
6. Processes and analyzes samples.	
7. Release and validate results thru BIZBOX System.	
8. Record results to Hematology logbooks.	
9. Endorse the patient's results to the patient or doctor.	Laboratory Clerks and Nurses



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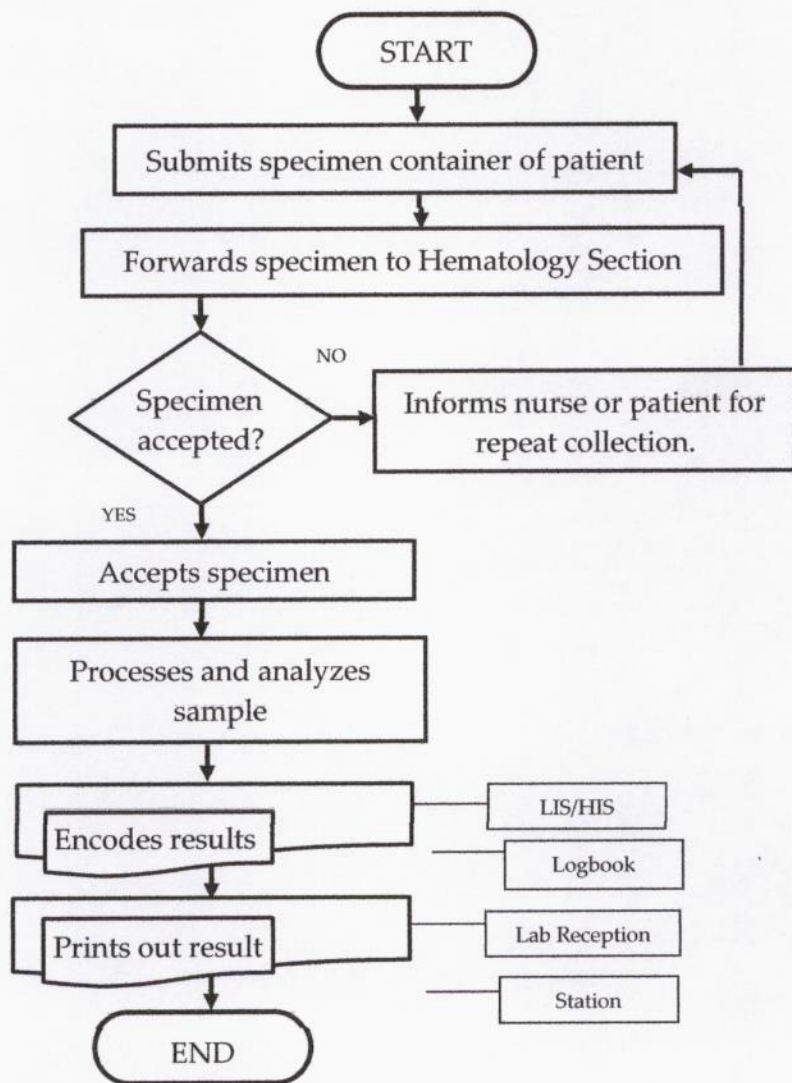



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FLOWCHART



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