 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-57-P01-S12
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Hematology
	Document Title:	LEE-WHITE CLOTTING TIME (LWCT)

B.S. Aquino Drive,
Bacolod City,
Negros Occidental,
6100

PURPOSE:

To describe in detail how to prepare and process the Lee-White Clotting Time test correctly and always in the same manner. It provides useful capillary information regarding clot retraction and plasminolysis but at a gross level. It is not specific for any coagulation disorder but is often used to monitor coagulation during heparin therapy.

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. A water bath or incubator must be at 37° C set ready for the procedure.
4. The Medical Technologist collects 3 mL venous blood and a stopwatch is started the moment the blood appears in the syringe. The blood coagulation time is recorded from that moment.
5. The Medical Technologist dispenses 1 mL of blood into a clean glass tubes labeled 3, 2 and 1 which have previously been placed in a water bath or incubator at 37° C.
6. After 3 minutes tilt the tubes 3, 2, 1 one by one every 30 seconds keeping the tubes out of the water bath or incubator for as short time as possible. Avoid unnecessary agitation since this may prolong the clotting time.
7. Each clotting time is taken when the tubes can be tilted without spilling the contents. Tube number 1 must be the last one to form a clot.
8. Calculate the clotting time by average of 3 tubes.
9. Normal value: 5-10 minutes.


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10. The Medical Technologist forwards properly the patient's request with the results and his name initials to the Hematology Section for encoding in the system.
11. Results for outpatients are printed at the reception area upon presentation of the Official Receipt (OR) and results for admitted patients are can be viewed and printed out by nurses to its respective stations.
12. Names and results of patient shall be recorded in the Hematology logbook.


REFERENCE:

Hematology Handbook for Medical Technologists/Shirley I. Fabian-Cruzada, MSPH, RMT/Philippines


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APPROVAL:

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	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology	<i>[Signature]</i>	7-6-2022
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Recommending Approval:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer	<i>[Signature]</i>	07.06.2022
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KEY TASKS	PERSON RESPONSIBLE
1. Encodes the request of the patient to BIZBOX system.	Laboratory Clerks and Nurses
2. Extracts blood sample from the patients.	Medical Technologist/Nurse
3. Checks sample label and volume prior to analysis.	
4. Disposes properly and safely biohazardous and infectious wastes and materials.	
5. Encodes the request in the system.	
6. Processes and analyzes samples.	
7. Releases and validates result thru BIZBOX System.	
8. Records result to Hematology logbooks.	
9. Endorses the patient's results to the patient or doctor.	Laboratory Clerks and Nurses

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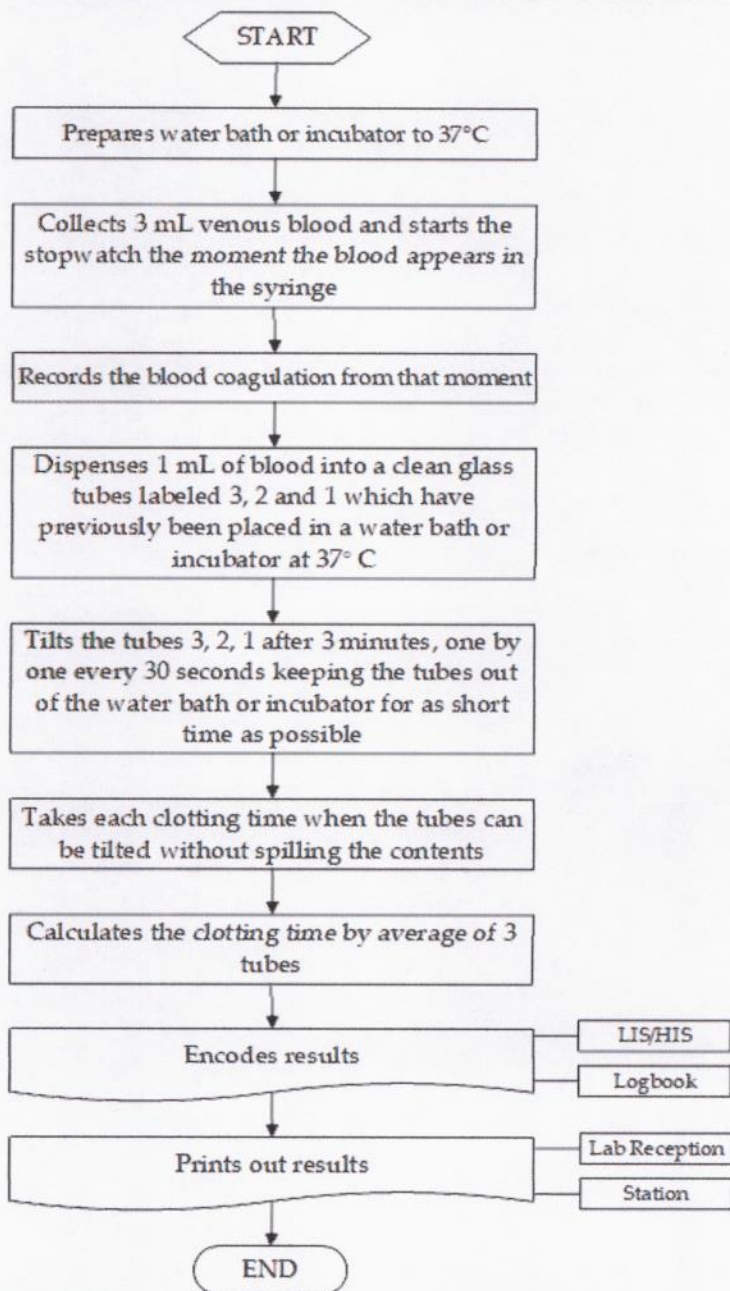



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FLOWCHART



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