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	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Hematology
	Document Title:	<b>PERIPHERAL BLOOD SMEAR(PBS)</b>

### **PURPOSE:**

To establish guidelines in collecting sample for Peripheral Blood Smear (PBS) for Laboratory diagnostic procedure and analysis. It is a blood test used to look and focuses for abnormalities in red blood cells, white blood cells and platelets. It provides information on the number and shape of these cells.

### **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. The Medical Technologist collects blood in an EDTA lavender top tube (2mL/0.5mL tube) properly labeled with complete patient's name and date of collection.
2. The blood collected is inverted tip to tip 8-10 times gently for adequate mixing and to avoid hemolysis and destruction of chemical elements.
3. The patient or his Medical Doctor should have a preferred Hematologist or Pathologist to read the Peripheral blood smear. The patient shall be charge or pays the medical fee of the Hematologist or Pathologist.
4. The Medical Technologist forwards properly the blood sample and patient's request noting the name of the one who will read the PBS to the Hematology Section. Medical Technologist then checks blood sample label, volume and clots prior to analysis. Not properly labeled sample is given back to the extractor for correct labeling. Insufficient volume and clotted sample is subject for repeat blood collection and the medical technologist, nurse in-charge or the patient will be informed immediately.
5. The Medical Technologist runs the Complete Blood Count (CBC), writes result in the miscellaneous request and prepares the blood stained smears.


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6. For patients with pink form or with temporary request, names are logged into a list. An ID number is assigned and written on the patient's request.
7. The Medical Technologist informs the Hematologist or Pathologist of the PBS reading.
8. The Medical Technologist encodes the Hematologist or Pathologist readings in the BIZBOX HIS system.
9. 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.
10. Names and results of patient shall be recorded in the Hematology PBS logbook.
11. Turn-around time for releasing Peripheral Blood Smear result depends on the availability of Hematologist or Pathologist.

#### **REFERENCE:**

1. Hematology Handbook for Medical Technologists/Shirley I. Fabian-Cruzada, MSPH, RMT/Philippines
2. <https://www.healthline.com/health/blood-smear>



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**APPROVAL:**

	Name/Title	Signature	Date
Prepared by:	<b>REDABELLE DIONE-SEGOVIA, RMT</b> Section Head, Hematology	<i>[Signature]</i>	07-06-2022
Verified:	<b>TIFFANY B. VILLANUEVA-COO, RMT</b> Laboratory Manager	<i>[Signature]</i>	7-6-2022
	<b>MONICA B. VILLANUEVA, RMT, PhD</b> Laboratory Manager	<i>[Signature]</i>	7-6-2022
	<b>MELANIE ROSE B. ZERRUDO, MD, FPSP</b> Chair, Department of Pathology	<i>[Signature]</i>	7-6-2022
Reviewed:	<b>DENNIS C. ESCALONA, MN, FPSQua</b> Quality Assurance Supervisor	<i>[Signature]</i>	07-06-2022
Recommending Approval:	<b>ROSARIO D. ABARING, MAN, PhD</b> Ancillary Division Officer	<i>[Signature]</i>	07-06-2022
	<b>FREDERIC IVAN L. TING, MD</b> OIC - Total Quality Division	<i>[Signature]</i>	7/8/22
Approved:	<b>GENESIS GOLDI D. GOLINGAN</b> President and CEO		




DR. PABLO O. TORRE  
MEMORIAL HOSPITAL

B.S. Aquino Drive,  
Bacolod City,  
Negros Occidental,  
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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. Ensures sample is acceptable for testing.	
4. Disposes properly and safely biohazardous and infectious wastes and materials.	
5. Ensures laboratory equipment is clean, functional and calibrated.	
6. Encodes the request in the system.	
7. Processes and analyzes samples.	
8. Releases and validates result thru BIZBOX System.	
9. Records result to Hematology logbooks.	
10. Endorses the patient's results to the patient or doctor.	Laboratory Clerks and Nurses



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Prepared by:	<b>REDABELLE DIONEIO-SEGOVIA, RMT</b> Section Head, Hematology	<i>Reda</i>	07-06-2022
Verified:	<b>TIFFANY B. VILLANUEVA-COO, RMT</b> Laboratory Manager	<i>T. Villanueva</i>	7-6-2022
	<b>MONICA B. VILLANUEVA, RMT, PhD</b> Laboratory Manager	<i>M. Villanueva</i>	7-6-2022
	<b>MELANIE ROSE B. ZERRUDO, MD, FPSP</b> Chair, Department of Pathology	<i>Melanie Rose B. Zerrudo</i>	7-6-2022
Reviewed:	<b>DENNIS C. ESCALONA, MN, FPSQua</b> Quality Assurance Supervisor	<i>D. Escalona</i>	07-06-2022
Recommending Approval:	<b>ROSARIO D. ABARING, MAN, PhD</b> Ancillary Division Officer	<i>R. Abaring</i>	07-06-2022
	<b>FREDERIC IVAN L. TING, MD</b> OIC - Total Quality Division	<i>F. Ting</i>	7/8/22
Approved:	<b>GENESIS GOLDI D. GOLINGAN</b> President and CEO		

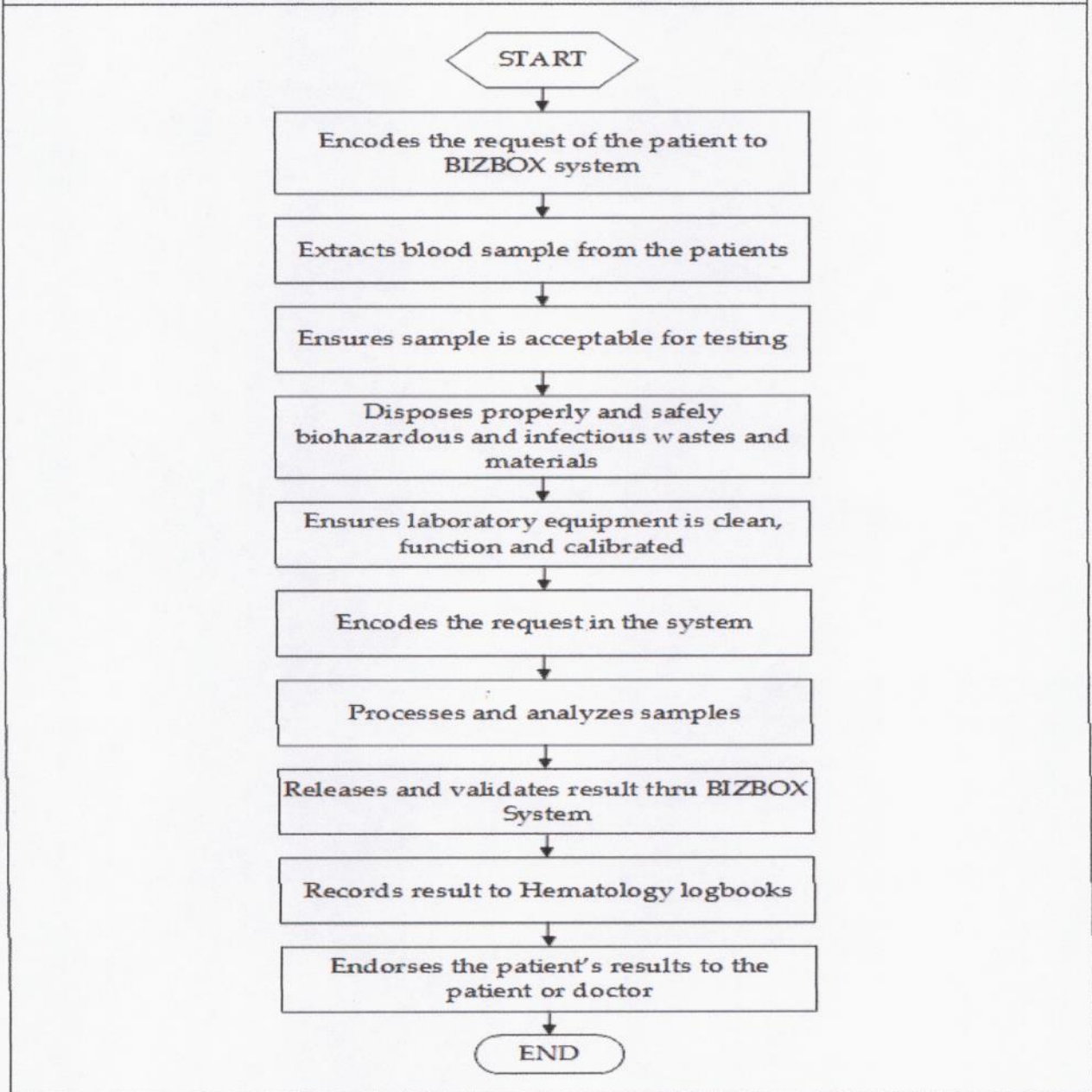


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## FLOWCHART





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**APPROVAL:**

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Prepared by:	<b>REDABELLE DIONE-SEGOVIA, RMT</b> Section Head, Hematology	<i>Reds.</i>	07-06-2022
Verified:	<b>TIFFANY B. VILLANUEVA-COO, RMT</b> Laboratory Manager	<i>TB</i>	7-6-2022
	<b>MONICA B. VILLANUEVA, RMT, PhD</b> Laboratory Manager	<i>M. Villanueva</i>	7-6-2022
	<b>MELANIE ROSE B. ZERRUDO, MD, FPSP</b> Chief, Department of Pathology	<i>Melanie Rose B. Zerrudo</i>	7-6-2022
Reviewed:	<b>DENNIS C. ESCALONA, MN, FPCHA, FPSQua</b> Quality Assurance Supervisor	<i>D. Escalona</i>	07-06-2022
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