 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-57-P01-WI28
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Hematology
	Document Title:	<b>EXUDATE/TRANSUDATE – CELL COUNT &amp; DIFFERENTIAL COUNT</b>

### **PURPOSE:**

To describe in detail how to process the Exudate/Transudate Cell and Differential Count test correctly and always in the same manner. Cell count and differential count are performed to determine the predominant cell type present in the fluid, which can suggest certain diseases.

### **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

### **GENERAL GUIDELINES:**

1. Body fluid sample must be placed separately in a clear, dry, leak-proof, sterile vials container labeled as number 1 for Chemistry and Serology; number 2 for Microbiological studies; and number 3 for Hematology cell counts and transported promptly to Laboratory.
2. Exudate/transudate cell count and differential count results shall be released and observe the Releasing of Results Policy. Turn-around time for releasing exudate/transudate cell count and differential count result is within 3 hours.

### **PROCEDURE:**

1. 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 fluid sample or with coagulum is given or called back to the one endorsed for correct labeling or for another sample submission.
2. The Medical Technologist examines and records the gross appearance of the body fluid. Describes the color, transparency, reactions and approximate volume.


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3. Swirl the vial to mix the fluid and load (diluted or undiluted) into the counting chamber. Let it stand for a few minutes.
4. Count the red and white blood cells. Note the percentage of normal and crenated red blood cells.
5. Make a wet mount smear, air dry and stain using Wright's stain for the differential count.
6. The Medical Technologist notes macroscopic and microscopic findings in the request and encodes results in the system.
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.

#### **REFERENCE:**

1. [www.gundersenhealth.org](http://www.gundersenhealth.org) Body Fluid Analysis
2. Davidsohn-Henry, Clinical Diagnosis by Laboratory Methods, 15<sup>th</sup> Edition



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**APPROVAL:**

	Name/Title	Signature	Date
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	<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
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KEY TASKS	PERSON RESPONSIBLE
1. Forwards properly the patient's request to the Hematology Section.	Laboratory Clerks and Nurses
2. Ensures sample is acceptable for testing.	
3. Properly and safely dispose of biohazardous and infectious wastes and materials.	
4. Process and analyze samples. Report result with significant findings.	
5. Processes and analyzes samples.	
6. Releases and validates result thru BIZBOX System.	
7. Records result to Hematology logbooks.	
8. Endorses the patient's results to the patient or doctor.	Laboratory Clerks and Nurses



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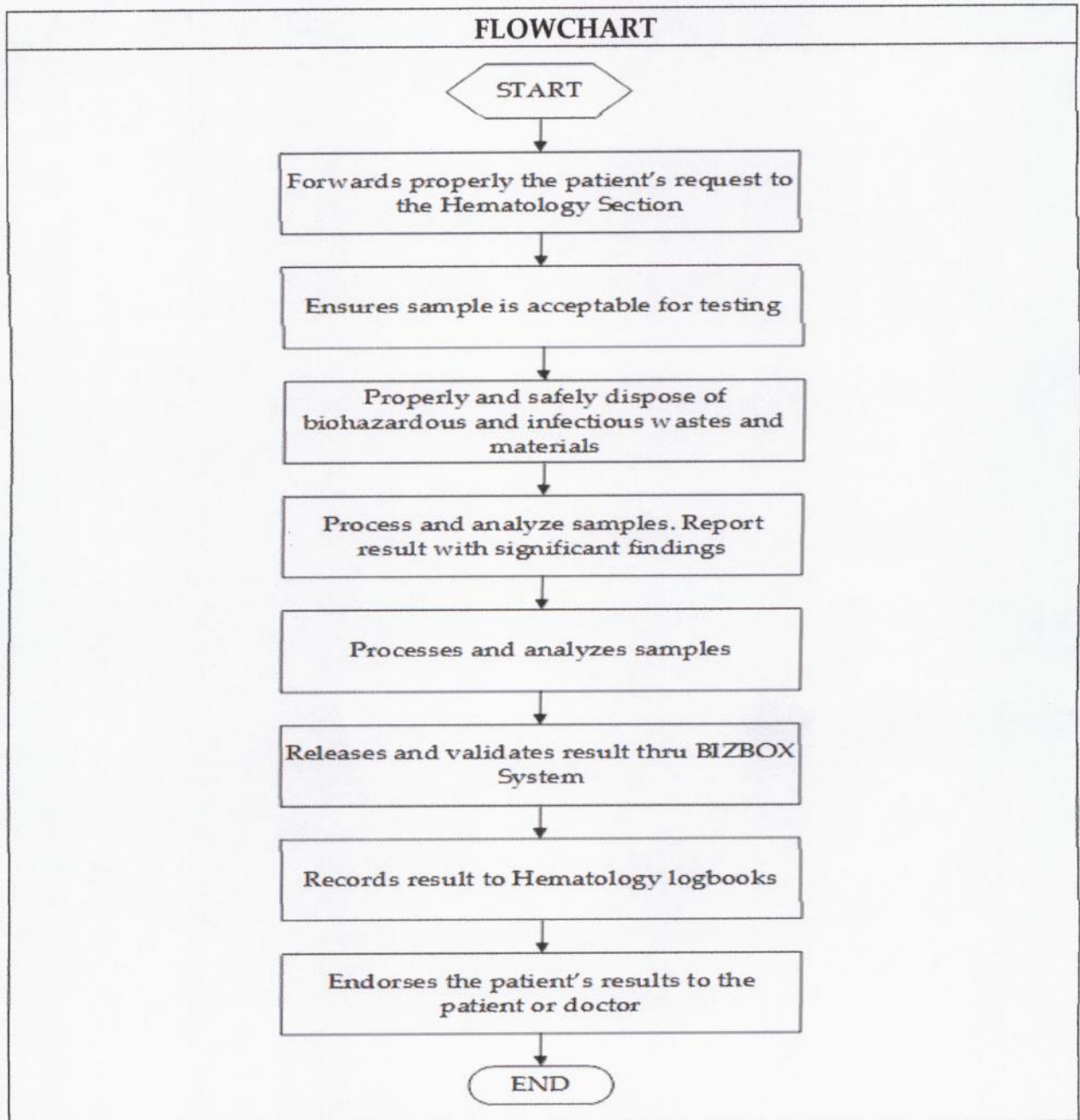


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## FLOWCHART





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