 <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-S22
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Hematology
	Document Title:	<b>WBC SEMINAL FLUID</b>

### **PURPOSE:**

To establish guidelines in collecting sample for WBC Seminal Fluid test for Laboratory diagnostic procedure and analysis. White blood cells (WBC's) in abnormally high numbers is a sign of inflammation in the semen. WBC's in the semen are associated with infertility because of the potential negative impact on sperm function.

### **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. Specimen maybe collected at the laboratory collection room or maybe immediately brought in by the client right after collection outside the laboratory. If the client is on site, he shall notify the laboratory regarding the time for the sample to arrive. The sample shall arrive in the laboratory within 1 hour of collection for appropriate analysis. It is critical for the specimen to be examined while it is fresh. Sperm motility is the most affected by this time limitation, but the other values are not affected. It shall be indicated in the laboratory slip the time sample is collected and received.
2. Semen specimens shall be collected in a clean glass or non-toxic plastic, dry, wide mouth container. The entire specimen is needed for analysis. (Analysis of ejaculate changes from initial secretions and the later secretions. Accuracy cannot be ensured if the entire sample is collected).
3. Masturbation shall be the preferred method of collection. However, this method may not acceptable to some clients. Specifically manufactured condoms, which are free of spermicides may be available. Coitus interruptus is least acceptable because some of the initial ejaculate may be lost and the sample may be contaminated by vaginal secretions.



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Document Type:	Standard Operating Procedure
Page Number:	2 of 3
Department/Section:	Hematology
Document Title:	<b>WBC SEMINAL FLUID</b>

4. If the sample is collected off site, it shall be transported at near body temperature to ensure accurate result (Note: keeping the collected sample collected inside the shirt and close to the body will help maintain the temperature). Instruct the client to avoid excessive heat or cold when transporting the specimen.
5. An accurate history of prescription and recreational drugs, habits (such as regular hot tubs), injuries and infections is important.
6. For evaluation of vasectomy, the client shall be instructed to ejaculate once or twice before the examination day.
7. Adhere to standard precautions. Provide adequate privacy for the collection of the specimen.
8. WBC Seminal fluid results shall be released to outpatients upon presentation of the Official Receipt (OR). For inpatients, results shall be viewed and printed out by the station (cross reference to releasing of results policy).
9. Turn-around time for releasing WBC Seminal fluid result is 2 hours.


#### **PROCEDURE:**

1. The Medical Technologist places a drop of well-mixed seminal fluid and a cover slip over in the center of a glass slide. The Medical Technologist examines the specimen under high power objective to determine the range of white blood cells in the seminal fluid.
2. The Medical Technologist notes microscopic findings and encodes results in the system.
3. The Medical Technologist/Laboratory Clerk prints out results for outpatients at the reception area and results for admitted patients can be viewed and printed out by nurses to its respective stations.
4. Names and results of patient shall be recorded in the Hematology/Miscellaneous logbook.

#### **REFERENCE:**


1. <https://www.webmd.com/infertility-and-reproduction/guide/semen-analysis>




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		Document Type:	Standard Operating Procedure
		Page Number:	3 of 3
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	Document Type:	Work Instruction
	Page Number:	1 of 2
	Department/Section:	Hematology
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KEY TASKS	PERSON RESPONSIBLE
1. Encodes the request of the patient to BIZBOX system.	Laboratory Clerks and Nurses
2. Examines the specimen under high power objective to determine the range of white blood cells in the seminal fluid.	Medical Technologist/Nurse
3. Releases and validates result thru BIZBOX System.	
4. Records result to Hematology logbooks.	
5. Endorses the patient's results to the patient or doctor.	Laboratory Clerks and Nurses

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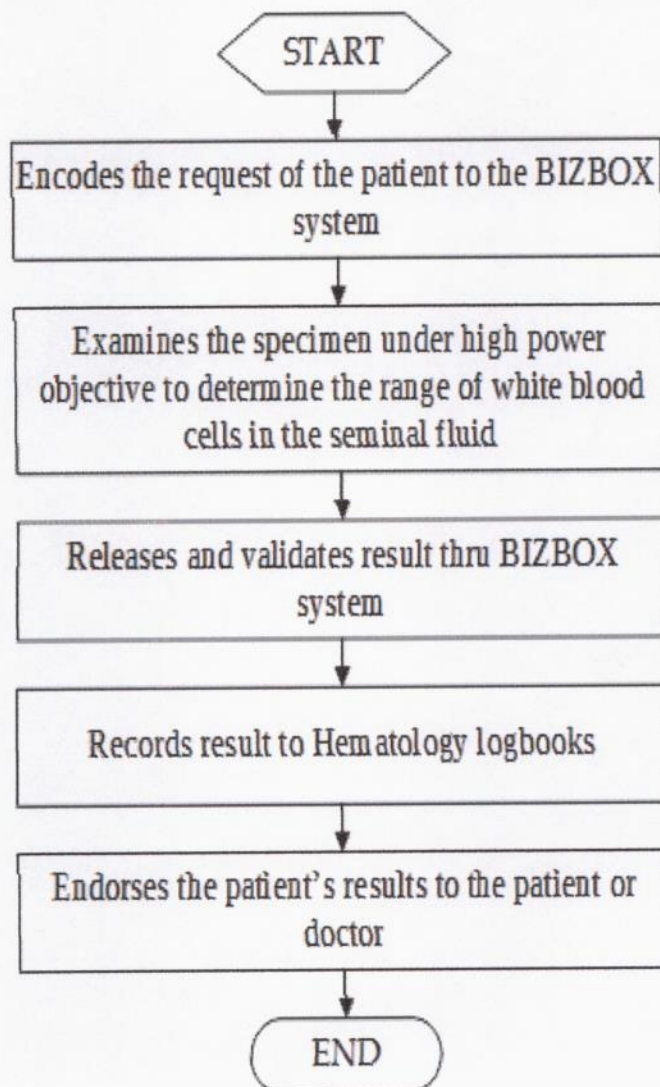



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Page Number:	1 of 2
Department/Section:	Hematology
Document Title:	<b>WBC SEMINAL FLUID</b>

### FLOWCHART



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