DR. PABLO O. TORRE MEMORIAL HOSPITAL
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Document Code:	DPOTMH–E-55-P01-S21
Effective Date:	06-30-2022
Document Type:	Standard Operating Procedure
Page Number:	1 of 3
Department/Section:	Clinical Chemistry
Document Title:	**DIGOXIN ASSAY**

PURPOSE:

To describe in detail how to prepare and process the Digoxin Assay test correctly and always in the same manner. It is used as a measurement to monitor patient compliance and therapy and aids in the diagnosis of potential overdose. The test also entails measuring blood drug levels to determine effective drug dosage heart failure and to prevent toxicity.

SCOPE:

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

PERSON RESPONSIBLE:

Doctors, Nurses, Medical Technologists, Pathologists, Patients, Clerks and Receptionist

GENERAL GUIDELINES:

1 No special preparation is necessary.
2 Collect specimen using standard laboratory procedures.
3 Refer to the section on sample handling for recommended minimum specimen volumes for your system.
4 Specimens collected shall be considered as biohazardous material.
5 Handle specimens in stoppered containers to avoid contamination and evaporation.
6 If sample show total digoxin concentration that exceeds the system's reportable (dynamic) range, follow this procedure:
  6.1 Dilute 1 part of sample with 1-part reagent-grade water or normal patient sample.
  6.2 Reanalyze
  6.3 Multiply the results by two (2) to obtain the original sample's Digoxin concentration
  6.4 If necessary, correct for the digoxin in the diluent sample.

7 Refrigerated plasma samples and frozen samples shall be centrifuged before to remove any particulate material formed during storage.

8 Remove serum from clots within 3 hours of collection.

9 Prior to blood collection, the Medical Technologist shall check on the wrist band for patient identification or for the policy on two (2) acceptable person identifiers applied such as allowing the patient to state his/her complete name, date of birth, address or the assigned identification number.

10 Tubes must be labeled prior to blood extraction and a sufficient amount of blood shall be extracted to ensure that repeated additional examinations could be performed.

11 Endorse the blood samples properly to the Medical Technologist on duty in Clinical Chemistry Section.

PROCEDURE:

1. Blood specimens collected in 5 mL red top tubes are checked if properly labelled and then subjected to centrifugation at 3500 rpm for 5 minutes.
2. Specimens are then barcoded through the LIS and barcode labels are placed properly in the tubes without overlapping the handwritten details written by the phlebotomist.
3. Barcoded specimens are placed in the analyzers sample racks. The Medical Technologist then press the start or on button of the analyzer to begin analyses.
4. Results are then copied from the LIS and verified by the medical technologist.
5. Once verified, results are released to the HIS wherein the nurses from the different nurse's station in the hospital as well as the releasing clerks can see and print the results.

REFERENCES:

1. Ortho Clinical Diagnostics Instruction for Use (IFU).

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	**ALEXIS F. CORDIA JR., RMT** Section Head, Clinical Chemistry		7/6/2022
Verified:	**MONICA B. VILLANUEVA, RMT, PhD** Laboratory Manager		07-13-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology		07-13-2022
Reviewed:	**DENNIS C. ESCALONA, MN, FPSQua** Quality Assurance Supervisor		07-13-2022
Recommending Approval:	**ROSARIO D. ABARING, MAN, PhD** Ancillary Division Officer		07.13.2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division		7/19/22
Approved:	**GENESIS GOLDI D. GOLINGAN** President and CEO		9/7/22

KEY TASKS	PERSON RESPONSIBLE
1. Collects blood specimen in 5 mL red top tubes, labels properly and then subjected to centrifugation at 3500 rpm for 5 minutes.	Medical Technologist
2. Bar codes specimens through the LIS and places properly in the tubes without overlapping the handwritten details written by the phlebotomist.	
3. Places bar-coded specimens in the analyzers sample racks.	
4. Presses the start or on button of the analyzer to begin analyses.	
5. Verifies results.	
6. Releases results after verification to the HIS wherein the nurses from the different nurse's station in the hospital as well as the Releasing Clerks can see and print the results.	

APPROVAL:

	Name/Title	Signature	Date
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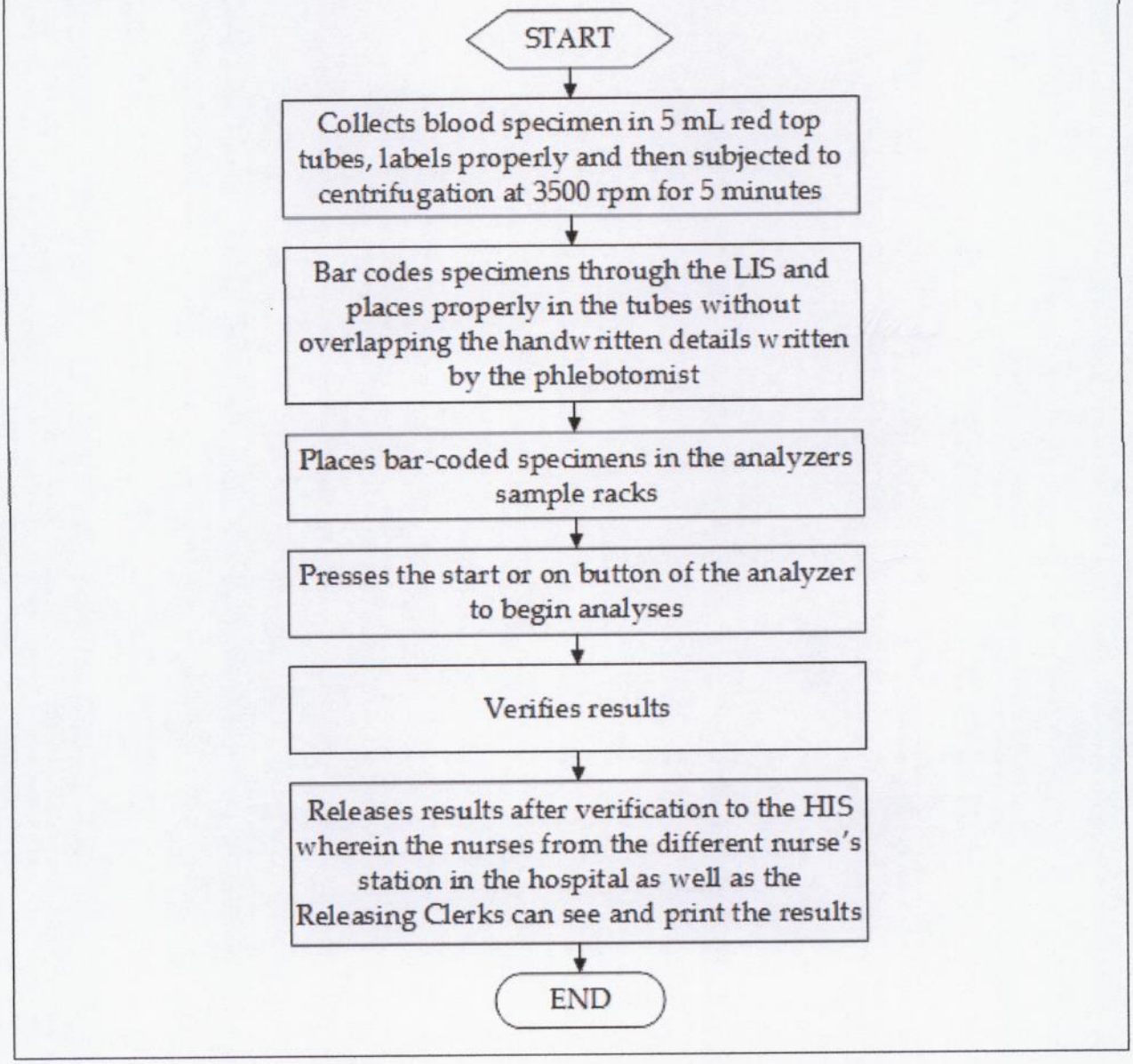
FLOWCHART



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