 <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p> <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-55-P01-S22
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 4
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

PURPOSE:

To describe in detail how to prepare and process the FBS test correctly and always in the same manner. *It is the most commonly used in the evaluation of diabetes patients.*

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 The Medical Technologist shall collect fasting specimen when patients has completed an 8 to 10 hours fasting.
- 2 Refer to the section on sample handling for recommended minimum specimen volumes for your system.
- 3 Specimens collected shall be considered as biohazardous material.
- 4 Handle specimens in stoppered containers to avoid contamination and evaporation.
- 5 If sample show a glucose concentration that exceeds the system's reportable (dynamic) range, follow this procedure:
 - 5.1 Dilute 1 part of sample with 1-part reagent-grade water or normal patient sample.
 - 5.2 Reanalyze
 - 5.3 Multiply the results by two (2) to obtain the original sample's glucose concentration.
 - 5.4 If necessary, correct for the bilirubin in the diluent sample.

 <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p> <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-55-P01-S22
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	2 of 4
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

- 6 Refrigerated plasma samples and frozen samples shall be centrifuged before to remove any particulate material formed during storage.
- 7 Remove serum from clots within 3 hours of collection.
- 8 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.
- 9 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.
- 10 Endorse the blood samples properly to the Medical Technologist on duty in Clinical Chemistry Section.
- 11 Results will be released after 2 to 3 hours.

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.

 <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p> <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-55-P01-S22
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	3 of 4
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

- 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:


- Ortho Clinical Diagnostics Instruction for Use (IFU).

 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-55-P01-S22
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	4 of 4
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

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

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	ALEXIS F. CORDIA JR., RMT Section Head, Clinical Chemistry	<i>Alexis F. Cordia Jr.</i>	07/01/2022
Verified:	MONICA B. VILLANUEVA, RMT, PhD Laboratory Manager	<i>M. Villanueva</i>	07-13-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology	<i>MB</i>	07-13-2022
Reviewed:	DENNIS C. ESCALONA, MN, FPSQua Quality Assurance Supervisor	<i>D. Escalona</i>	07-13-2022
Recommending Approval:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer	<i>R. Abaring</i>	07-13-2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division	<i>F. Ting</i>	7/19/22
Approved:	GENESIS GOLDI D. GOLINGAN President and CEO	<i>Genesis Goldi D. Golingan</i>	

 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p> <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p>	Document Code:	DPOTMH-E-55-P01-WI22
	Effective Date:	06-30-2022
	Document Type:	Work Instruction
	Page Number:	1 of 2
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

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.	



DR. PABLO O. TORRE
MEMORIAL HOSPITAL

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

Document Code:	DPOTMH-E-55-P01-WI22
Effective Date:	06-30-2022
Document Type:	Work Instruction
Page Number:	2 of 2
Department/Section:	Clinical Chemistry
Document Title:	FASTING BLOOD SUGAR (FBS)

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	ALEXIS F. CORDIA JR., RMT Section Head, Clinical Chemistry	<i>Alexis F. Cordia Jr.</i>	07/01/2022
Verified:	MONICA B. VILLANUEVA, RMT, PhD Laboratory Manager	<i>M. Villanueva</i>	07-13-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology	<i>MRB</i>	07-13-2022
Reviewed:	DENNIS C. ESCALONA, MN, FPSQua Quality Assurance Supervisor	<i>D. Escalona</i>	07-13-2022
Recommending Approval:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer	<i>R. Abaring</i>	07-13-2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division	<i>F. Ting</i>	7/19/22
Approved:	GENESIS GOLDI D. GOLINGAN President and CEO	<i>G. Golingan</i>	9/7/22

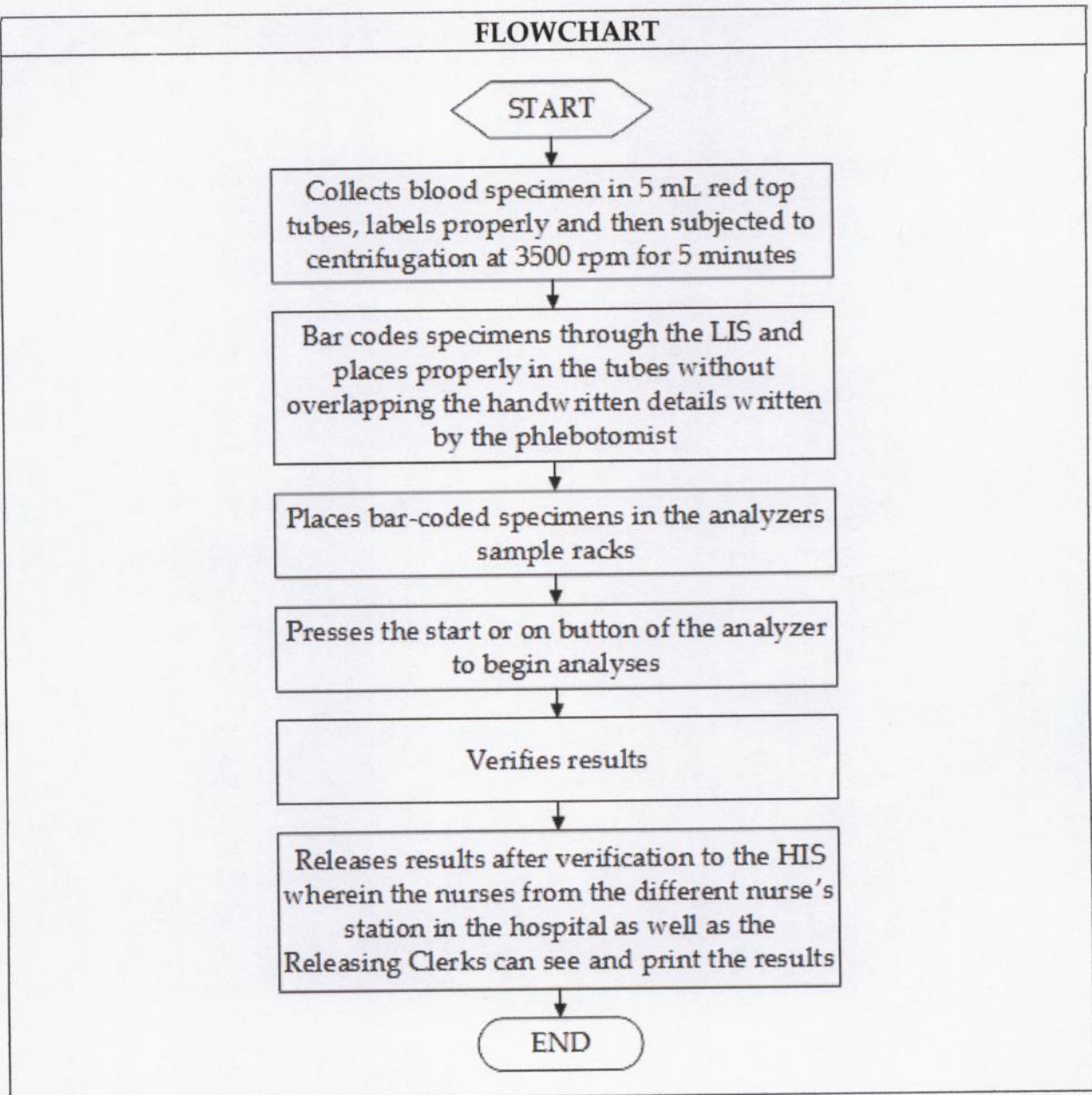



DR. PABLO O. TORRE
MEMORIAL HOSPITAL

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

Document Code:	DPOTMH-E-55-P01-FC22
Effective Date:	06-30-2022
Document Type:	Flowchart
Page Number:	1 of 2
Department/Section:	Clinical Chemistry
Document Title:	FASTING BLOOD SUGAR (FBS)

FLOWCHART



 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p> <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p>	Document Code:	DPOTMH-E-55-P01-FC22
	Effective Date:	06-30-2022
	Document Type:	Flowchart
	Page Number:	2 of 2
	Department/Section:	Clinical Chemistry
	Document Title:	FASTING BLOOD SUGAR (FBS)

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	ALEXIS F. CORDIA JR., RMT Section Head, Clinical Chemistry	<i>Alexis F. Cordia Jr.</i>	7/10/2022
Verified:	MONICA B. VILLANUEVA, RMT, PhD Laboratory Manager	<i>Monica B. Villanueva</i>	07-13-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology	<i>MRB</i>	07-13-2022
Reviewed:	DENNIS C. ESCALONA, MN, FPSQua Quality Assurance Supervisor	<i>Dennis C. Escalona</i>	07-13-2022
Recommending Approval:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer	<i>Rosario D. Abaring</i>	07.13.2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division	<i>Frederic Ivan L. Ting</i>	7/19/22
Approved:	GENESIS GOLDI D. GOLINGAN President and CEO	<i>Genesis Goldi D. Golingan</i>	9/7/22