APPROVAL:

	Name/Title	Signature	Date
Prepared by:	**ALEXIS F. CORDIA JR., RMT** Section Head, Clinical Chemistry		07/01/2022
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

DR. PABLO O. TORRE MEMORIAL HOSPITAL
B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100

Document Code:	DPOTMH–E-55-P01-S20
Effective Date:	06-30-2022
Document Type:	Standard Operating Procedure
Page Number:	1 of 3
Department/Section:	Clinical Chemistry
Document Title:	**DENGUE NS1 ANTIGEN ASSAY**

PURPOSE:

To describe in detail how to prepare and process the Dengue NS1 Antigen Assay test correctly and always in the same manner. It is intended to be used by professionals as a screening *test and as an aid in the diagnosis of infection with dengue virus.* Any reactive specimen with Dengue Ns1 Antigen must be confirmed and correlated with alternative testing methods.

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 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.

PROCEDURE:

1. Bring the specimen and test components to room temperature, if refrigerated or frozen. Once thawed, mix the specimen well prior to assay.

2. When ready to test, open the pouch at the notch and remove the device. Place the test device on a clean, flat surface.

3. Be sure to label the device with specimen number or patient's complete name.

4. Fill the plastic dropper with the specimen. Holding the dropper vertically, dispense 1 drop (about 30 to 45 ul) of serum into the sample well making sure that there are no air bubbles.

5. Set up the timer.

6. Results can be read after 20 minutes. Positive results can be visible in as short as 1 minute. Do not read results after 25 minutes. To avoid confusion, discard the test device after interpreting the result.

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		07/01/2022
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. Brings the specimen and test components to room temperature, if refrigerated or frozen. Mixes the specimen well prior to assay after thawing.	Medical Technologist
2. Opens the pouch at the notch when ready to test and removes the device. Places the test device on a clean, flat surface.	
3. Fills the plastic dropper with the specimen. Dispenses 1 drop (about 30 to 45 ul) of serum into the sample well making sure that there are no air bubbles.	
4. Sets up the timer.	
5. 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
Prepared by:	**ALEXIS F. CORDIA JR., RMT** Section Head, Clinical Chemistry		07/01/2022
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

DR. PABLO O. TORRE MEMORIAL HOSPITAL
B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100

Document Code:	DPOTMH–E-55-P01-FC20
Effective Date:	06-30-2022
Document Type:	Flowchart
Page Number:	1 of 2
Department/Section:	Clinical Chemistry
Document Title:	**DENGUE NS1 ANTIGEN ASSAY**

FLOWCHART