 <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p> <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p>	Document Code:	DPOTMH-E-52-P01-S10
	Effective Date:	07-31-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Blood Bank Section
	Document Title:	<b>Rh TYPING</b>

### **PURPOSE:**

To provide guidelines for Rh Typing test to ensure that is being done in a correct manner. Rh Typing determines if the Rh negative client has been synthesized to Rh positive antigens and to detect the presence of a certain protein called Rh factor on the outer layer of the red blood cells.

### **SCOPE:**


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

### **PERSON RESPONSIBLE:**

Medical Technologist (Medical Laboratory Scientist), Nurses, Clerks

### **GENERAL GUIDELINES:**

- 1 Attending Physician shall order for Rh typing. Request shall be encoded in the system by the Nurse-on-duty or clerk for outpatient.
- 2 All specimens shall be collected in a lavender top / EDTA blood collecting tube. A fresh blood sample shall be taken.
- 3 Impervious gloves and proper protective equipment (PPE) / clothing shall be worn in adherence to Infection Prevention and Control Unit Protocol.
- 4 Specimens collected shall be considered as biohazard material.
- 5 Proper patient identification shall be strictly observed by identifying the patient by their complete name and birthdate. Tubes shall be properly labeled with patient's complete name for it is crucial and needs emphasis in clinical settings.

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### **PROCEDURE:**


1. Hand washing must be done before and after the procedure.
2. The Medical Technologist prepares 2-5% patient's red cell suspension by washing patient's red cells three (3) times with normal saline solution.
3. The Medical Technologist places one (1) drop of 2-5% patient's red cell suspension and adds two (2) drops of Anti-D.
4. The Medical Technologist spins for 1 minute and read result macroscopically.
5. If the result is doubtful, incubate for 15 minutes at 37°C.
6. The Medical Technologist spins and reads result macroscopically.

### ***Interpretation:***


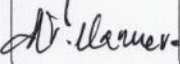




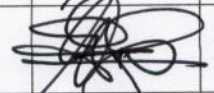
**Rh Positive** - Agglutination

**Rh Negative** - No Agglutination

**\*Note:** All Rh Negative individual should be tested for Du / Weak D. (Cross reference to the procedure on standard operating procedures on Du Test / Weak D)

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### APPROVAL:

	Name/Title	Signature	Date
Prepared by:	<b>MELISSA THERESE B. LABAYEN, RMT</b> Blood Bank Section Head		07-07-2022
Verified by:	<b>MONICA B. VILLANUEVA, RN, RMT, PhD</b> Laboratory Manager		7-7-2022
	<b>MELANIE ROSE B. ZERRUDO, MD, FPSP</b> Chair, Department of Pathology		7-7-2022
Reviewed by:	<b>DENNIS C. ESCALONA, MN, FPSQua</b> Quality Assurance Supervisor		07-07-2022
Recommending Approval by:	<b>ROSARIO D. ABARING, MAN, PhD</b> Ancillary Division Officer		07-07-2022
	<b>FREDERIC IVAN L. TING, MD</b> OIC - Total Quality Division		7-8-22
Approved by:	<b>GENESIS GOLDI D. GOLINGAN</b> President and CEO		9/7/22





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KEY TASKS	PERSON RESPONSIBLE
1. Prepares 2-5% patient's red cell suspension by washing patient's red cells three (3) times with normal saline solution.	Medical Technologist
2. Places one (1) drop of 2-5% patient's red cell suspension and adds two (2) drops of Anti-D.	
3. Spins for 1 minute and read result macroscopically.	
4. Incubates for 15 minutes at 37°C if the result is doubtful.	
5. Spins and reads result macroscopically.	


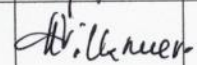


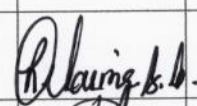

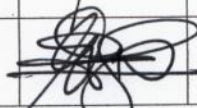


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**APPROVAL:**

	Name/Title	Signature	Date
Prepared by:	<b>MELISSA THERESE B. LABAYEN, RMT</b> Blood Bank Section Head		07-01-2022
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Reviewed by:	<b>DENNIS C. ESCALONA, MN, FPSQua</b> Quality Assurance Supervisor		7-07-2022
Recommending Approval by:	<b>ROSARIO D. ABARING, MAN, PhD</b> Ancillary Division Officer		07.07.2022
	<b>FREDERIC IVAN L. TING, MD</b> OIC - Total Quality Division		7.8.22
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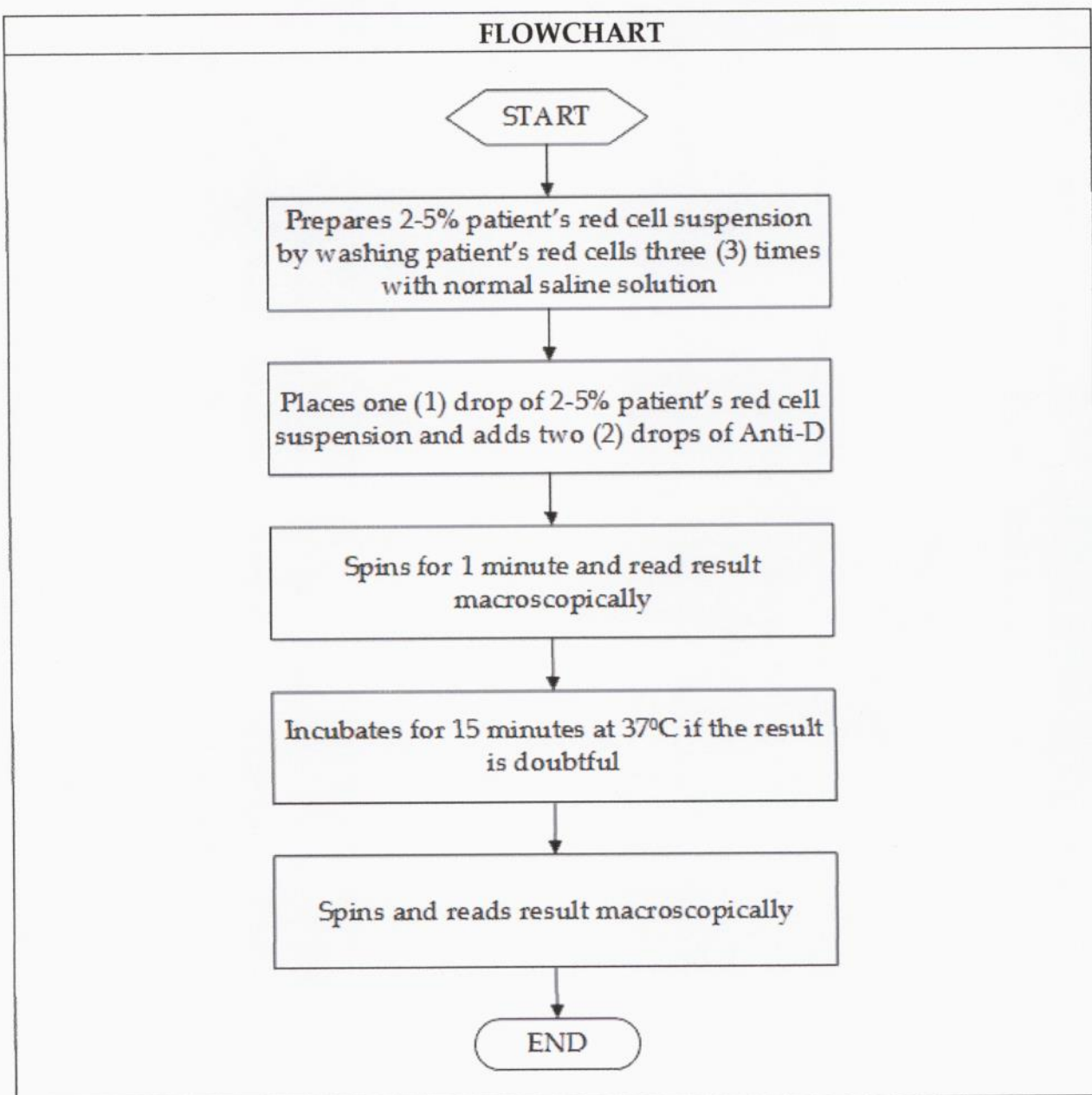



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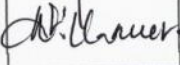


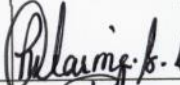

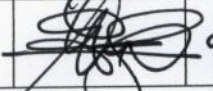
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## FLOWCHART



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