 <p>DR. PABLO O. TORRE MEMORIAL HOSPITAL</p> <p>B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100</p>	Document Code:	DPOTMH-E-52-P01-S12
	Effective Date:	07-31-2022
	Document Type:	Standard Operating Procedure
	Page Number:	1 of 3
	Department/Section:	Blood Bank Section
	Document Title:	INDIRECT COOMB'S TEST / INDIRECT ANTIGLOBULIN TEST (IAT)

PURPOSE:

To outline the steps involved in processing the Indirect Coomb's Test or Indirect Antiglobulin Test.

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 Indirect Coomb's Test / Indirect Antiglobulin Test and request shall be encoded on the computer by the Nurse-in-charge.
2. A fresh blood sample shall be taken and collected in a red top / plain blood collecting tube.
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. The Medical Technologist prepares a 2% red cell suspension of type "O" Rh Positive by washing for three (3) times with normal saline solution (0.1 mL red cell suspension + 4.9 mL saline)
2. The Medical Technologist get 2 drops of 2% red cell suspension and place in a test tube. Add two (2) drops of patient's serum.
3. Spin for 1 minute.
4. Incubate at 37⁰ C for 15 minutes.
5. Spin for 1 minute.
6. Wash thee (3) times with normal saline solution (NSS).
7. Decant completely after the third/last wash. Add two (2) drops of Coomb's reagent then spin for 1 minute.
8. Examine microscopically for agglutination.

Interpretation:

POSITIVE - with Agglutination

NEGATIVE - No agglutination



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APPROVAL:

	Name/Title	Signature	Date
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Verified by:	MONICA B. VILLANUEVA, RN, RMT, PhD Laboratory Manager		7-7-2022
	MELANIE ROSE B. ZERRUDO, MD, FPSP Chair, Department of Pathology		7-7-2022
Reviewed by:	DENNIS C. ESCALONA, MN, FPSQua Quality Assurance Supervisor		7-07-2022
Recommending Approval by:	ROSARIO D. ABARING, MAN, PhD Ancillary Division Officer		07.07.2022
	FREDERIC IVAN L. TING, MD OIC - Total Quality Division		7-8-22
Approved by:	GENESIS GOLDI D. GOLINGAN President and CEO		9/2/22



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KEY TASKS	PERSON RESPONSIBLE
1. Prepares a 2% red cell suspension of type "O" Rh Positive by washing for three (3) times with normal saline solution (0.1 mL red cell suspension + 4.9 mL saline)	Medical Technologist
2. Gets 2 drops of 2% red cell suspension and place in a test tube. Adds two (2) drops of patient's serum.	
3. Spins for 1 minute. Incubates at 37 ⁰ C for 15 minutes.	
4. Spins for 1 minute and washes thee (3) times with normal saline solution (NSS).	
5. Decants completely after the third/last wash. Adds two (2) drops of Coomb's reagent then spin for 1 minute.	
6. Examines microscopically for agglutination.	



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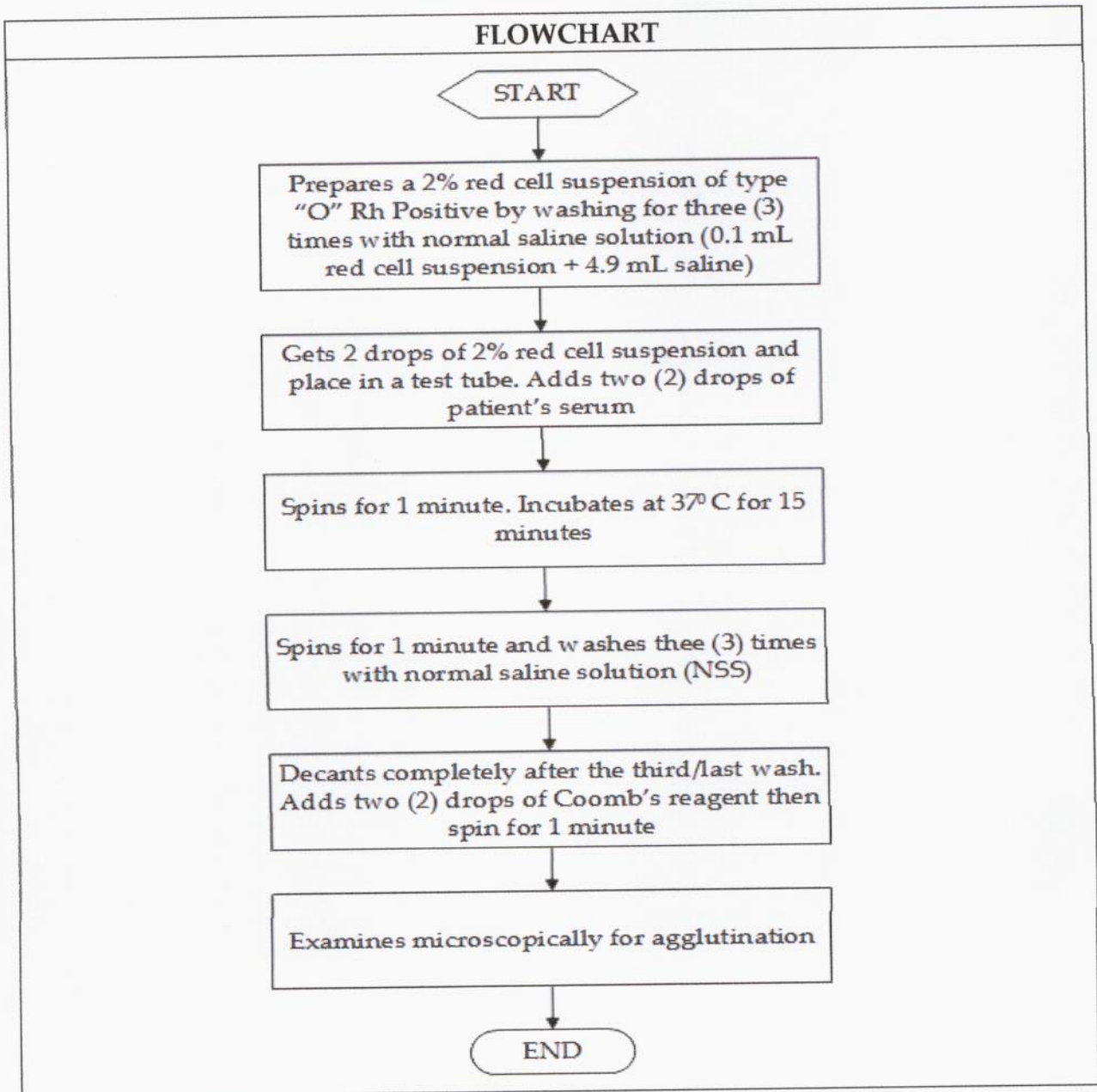


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FLOWCHART





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