Procedure: RIP PCR Specimen Handling and Storage

Document: MB 9.01 v1 Effective Date: 11.19.2016



RSV & Influenza A/B PCR Specimen Handling and Storage

PURPOSE

- This procedure provides instructions for specimen acceptability, handling and storage
- Refer to the <u>Lab Test Directory</u> for test specific patient preparation and specimen collection information.

ABBREVIATIONS

- RIP Simplexa™ RSV & Influenza PCR Direct
- UTM universal viral transport media

SAMPLE

A. Acceptable specimens and transport container

Specimen type	Specimen code	Volume	Transport Containers	
2 Nasopharyngeal swabs	NP	2 wire NP swabs	 NP CultureSwab™ Rayon wire mini-tip swab in Liquid Stuart's, green top 	
Nasal aspirate	NASP	1-2 mL	Charilla plantic lank proof containor	
Nasal washing	NW	(0.5 ml minimum)	Sterile, plastic leak proof container	

- B. Unacceptable specimens: Calcium alginate swabs, nose swabs, sputum, throat swabs, tracheal secretions
- C. Transport and Storage: For additional information refer to Lab Test Directory

Temperature Refrigerated , 2 - 8° C	Sample Stability in UTM		
NP swabs	■ 3 days		
Nasal aspirate/wash	■ 5 days		

SAFETY CONSIDERATIONS

- Standard precautions. Refer to MB 2.02 Biohazard Containment
- Use of engineering controls: Refer to MB 3.01 Engineering Controls to Prevent Nucleic Acid Contamination

MATERIALS REQUIRED

Equipment	Media	Supplies
BioSafety Cabinent (BSC)	UTM with glass beads	Nitrile gloves
Refrigerator, 2 - 8° C		Dispo pipettes
Vortex mixer		Sterile scissors
		2.0 ml cryovials

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PROCEDURE A: Follow the activity below for sample handling

Activity	Step	Action	Related Doc
ID	1	Verify that the patient identification on the primary container corresponds to the accompanying order	MB 1.01 Specimen Management
Location: Microbiology	2	Receive sample in Sunquest and generate label Sunquest location: MC Sunquest code: RIP	Organizational policy 630.00 Laboratory Specimen Labeling
	3	Confirm the name on the label is the same as the name on primary container	
	4	Affix LIS accession label to corresponding primary container	
Quality	5	Evaluate the quality of the specimen.	MB 1.02 Specimen Rejection Criteria
	6	Vortex NW samples to obtain an even suspension	
Process	7	Transfer 1 − 2 ml of NW sample or cut the shaft of 2 NP swabs into UTM Note: If NP swabs are used, leave swabs in UTM; do not discard	
	8	Vortex for 30 – 60 s to break up mucus and release virus from cells	
Store	9	Store specimen refrigerated at 2 - 8° C	
	10	Place specimen and label in molecular designated area	
Aliquots	Aliquots 11 If additional testing is necessary, refer to Procedure B: Sample Aliquots		

PROCEDURE B: Follow the activity below for aliquoting samples and preventing cross-contamination **Sample Aliquots**

Activity	Step	Action	Related Doc		
	1	Sample specim	Organizational		
Identification of secondary container	2		n the name and accession number on the aliquot label is the same as primary container	policy 630.00 Laboratory Specimen	
	3		Affix LIS aliquot label with corresponding accession number on secondary container		
			specimens to avoid cross contamination of primary sample and s as follows: Action	Refer to assay specific procedures for additional	
Avoiding cross-		а	Deliver primary specimens unopened to the molecular laboratory when possible or perform the following steps		
contamination	4	b	Properly label secondary container with patient aliquot label		
		С	Verify name on primary and secondary container before transfer	information	
		d	Use sterile pipettes and technique when transferring samples		
		е	Aliquot one specimen at a time with only one tube open at a time		
		f	Never return the aliquot to the original container		

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REFERENCES

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Historical Record

Version	Written/Revised by:	Effective Date:	Summary of Revisions
1	P. Ackerman	11.20.16	Initial Version