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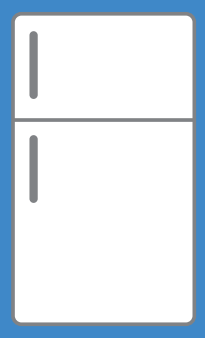
Review and apply these helpful, practical tips when using the cobas® Liat® PCR System

Stable surface reminder

Ensure analyzer is on a surface free of vibration from instruments like a vortex or centrifuge.



Refrigerate assay tubes

Keep assay tubes chilled until test is ready to be performed

Sample volume

Use the volume specified in the PI:

1 mL for Strep (liquid amies)

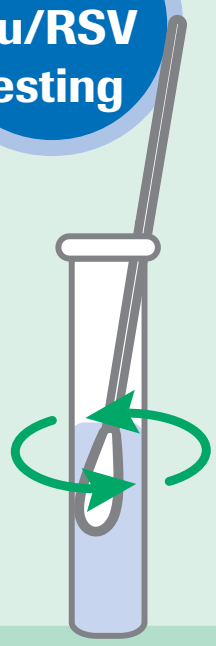
3 mL for Flu and Flu & RSV (UTMs)

Sample collection and handling

Sample collection is an important part of the testing process. Limit contaminates like blood and mucus that can inhibit PCR.[1]

For best results, collect samples within 3-7 days of symptom onset.[2]

Flu and Flu/RSV testing



- Have patients blow nose before nasopharyngeal sampling
- Leave swab in nostril for a few seconds to absorb secretions[2]
- Swirl swab in media before breaking swab shaft
- Viability of pathogens with freeze/thaw diminishes and may lead to false negatives[2]

Strep A testing

- Avoid blood and phlegm
- Touch only tonsils and back of throat when collecting sample
- Swirl swab in media 3x before breaking swab shaft
- Vigorously shake the media tube for 5 seconds to evenly disperse patient specimen

Pipetting

- Keep it sterile
- Squeeze pipette bulb fully before dipping in sample & release slowly
- Put pipette tip down to first segment of tube (pull up as you release)
- Make sure there are no bubbles

Clean analyzer frequently

Wipe down with soft, lint-free cloth and 70% isopropanol or 5-10% bleach solution.*

* Remember to wipe off any bleach twice with 70% isopropanol

- ✓ Keep product literature readily available
- ✓ Use only transport media from PI

If you have any questions or need assistance with using the cobas® Liat® PCR System, please visit go.roche.com/liatimplementation or call 1 (800) 800-5973

1 Schrader, C. , Schielke, A. , Ellerbroek, L. and Johne, R. (2012), PCR inhibitors – occurrence, properties and removal. *J Appl Microbiol*, 113: 1014-1026. Accessed April 24, 2018.

2 Influenza Specimen Collection. Center for Disease Control and Prevention. https://www.cdc.gov/flu/pdf/freeresources/healthcare/flu-specimen-collection-guide.pdf. Accessed May 7, 2018.)