

ADVISORY NOTICE

27_2026_ Laura XL Pre-analytical handling of samples

Dear customers,

In order to maintain the operational integrity of our analytical system in Laura XL and ensure consistent result accuracy, we are issuing this advisory regarding the pre-analytical handling of urine samples exhibiting high viscosity, significant sedimentation, or mucoid (slimy) characteristics.

High-viscosity or heavily sedimented samples pose a significant risk to analysis accuracy as the fluidic integrity of the analyser. Failure to homogenize or clarify these samples can lead to:

Aspiration Obstruction: Physical blockage of the sampling pipette (probe)

Hydraulic Impairment: Partial or total occlusion of internal tubing and valves

Carryover/Contamination: Compromised analytical precision due to improper sample flow

inaccurate results: non homogenous sample will lead to deviant quantitative result

To mitigate these risks, laboratory personnel should adhere to the following protocols prior to loading samples onto the analyser:

Homogenization: For all samples, perform thorough manual mixing (by tube inversion) to ensure a representative aliquot

Visual Inspection: During manual mixing, identify samples exhibiting high turbidity, heavy sedimentation, or stringy, viscous properties, keeping an non-homogeneous appearance

Mechanical Clarification (for highly viscous samples):

Aspiration: After thorough mixing, carefully pipette the homogeneous "supernatant" into a clean tube compatible with the analyser. Please note that sediment results will be affected.

Adherence to these pre-analytical standards is critical for reducing instrument downtime and preventing unplanned maintenance events. By ensuring samples meet the physical requirements for automated aspiration as accurate measurement, you maintain the clinical reliability of the diagnostic output for all other patient samples.

In case you have any additional question, please do not hesitate to contact us

Best regards,

Erba Lachema s.r.o.

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