MAYO CLINIC
Mayo Medical Laboratories

Test Definition: FLALA

Limulus Amebocyte Lysate (LAL) Assay, Quantitative

Reporting Title: Limulus Amebocyte Lysate Assay, QN
Performing Location: Focus Diagnostics, Inc.

Specimen Requirements:

5 mL aqueous solution used in patient management. Send solution frozen in non-pyrogenic, plastic container.
NOTE: 1. Submit name of aqueous solution, and the diluent if applicable.
2. Body fluids are not acceptable.
3. Glass vials are not acceptable.

Specimen Type	Temperature	Time
Varies	Frozen	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
FLAL	Z0830	Specimen Type	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z0830	Specimen Type	Alphanumeric		In Process
Z0831	Diluent	Alphanumeric		In Process
Z0832	Pharmacopeia Endotoxin Limit	Alphanumeric		In Process
Z0819	Limulus Lysate	Alphanumeric	EU/mL	In Process
Z2442	Limulus Lysate	Numeric	EU/mL	In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
FLAL	Limulus Lysate Assay			Yes	No
FLAL4	Limulus Lysate			No	No

CPT Code Information:

No CPT code available on Non-Biological specimens

Reference Values:

LEVEL DETECTED	INTERPRETATION
<0.05 EU/mL	None Detected (Negative)
0.25 EU/mL	USP acceptable limits for injectable or irrigation water.
0.50 EU/mL	USP acceptable limits for inhalatory water.
2.00 EU/mL	Acceptable upper limit for Hemodialysis reuse water.

The LAL is used as a quantitative test to detect gram-negative endotoxin in aqueous solutions used in patient management. The LAL assay is not recommended for serum or plasma samples due to the presence of inhibitory factors. It is essential to maintain specimen sterility and prevent false positive results from exogenous gram negative bacteria.

Test Performed by: Focus Diagnostics, Inc.
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