

Chromo-LAL

Kinetic Chromogenic Endotoxin Testing

General Product Description

Chromo-LAL is lyophilized with substrate reagent and buffers. It is optimized for the kinetic chromogenic LAL test method in microplate readers. Chromo-LAL is a buffered, stable and robust lysate, suitable for quantitative testing of a wide range of samples. The test is read at 405–410 nm.

Sensitivity

The sensitivity for chromogenic assays is determined by the lowest standard concentration on the standard curve used for the assay. The maximum sensitivity of Chromo-LAL is 0.005 EU/mL.

Sample to LAL Ratio

Reconstituted Chromo-LAL reagent is used at a ratio of 1:1 and a volume of 100 µL/well (30 tests/vial).

Performing the Test

The Chromo-LAL/sample mixture is incubated at 37±1°C and read in a microplate reader at 405–410 nm. Software is used to construct the standard curve and calculate the endotoxin concentrations.

Reconstitution

Chromo-LAL lysate is reconstituted with LAL Reagent Water (LRW). It can also be reconstituted with Glucashield® buffer, a (1→3)-β-D-Glucan inhibiting buffer, to render the assay endotoxin specific.

Stability

Once reconstituted, Chromo-LAL is stable for 24 hours if stored at 2–8°C. Chromo-LAL may be frozen once and will retain activity for 2 weeks if stored at or below -20°C.

Packaging

Each vial contains reagent for approximately 30 tests. It is recommended for use with 0.5 µg/vial Control Standard Endotoxin (CSE, E0005). Certificates of Analysis, specific to the Chromo-LAL and CSE lot, can be obtained from ACC or online at www.acciusa.com.

Accessory Products

1. LAL Reagent Water, available in multiple package sizes, see page 15
2. Control Standard Endotoxin, *E. coli* O113:H10, 0.5 µg/vial (E0005)
3. Glucashield Buffer (GB051), (1→3)-β-D-Glucan Inhibiting Buffer
4. Pyrotubes® (TB013), 13 x 100 mm borosilicate glass dilution tubes
5. Pyroplate® (CA961), 96-well microplate
6. 250 µL Pipette tips (PPT25)
7. 1000 µL Pipette tips (PPT10)

Chromo-LAL 3.2 mL/vial (approx. 30 tests/vial)

- #C0031-5 ----- 5 pack (150 tests)
#C0031-25 ----- 25 pack (750 tests)

For more information please visit our website at www.acciusa.com or contact Customer Service at (508) 540-3444.

