

LAL test reagents

Limulus Amebocyte Lysate (LAL)

For LAL customers who prefer a qualitative, non-kinetic assay, Charles River offers a gel-clot reagent in a variety of sensitivities from 0.015 to 0.25 EU/ml.

This lysate forms a firm gel-clot for more accurate results and is buffered for better interference resistance.



Gel Clot Reagent

Description	Sensitivity	Reference	£
All sensitivities in Single Test Vial, pack of 25 vials, 25 tests			
LYSATE 0.2 ml	0.03	R13003	
LYSATE 0.2 ml	0.06	R13006	
LYSATE 0.2 ml	0.125	R13012	
LYSATE 0.2 ml	0.25	R13025	
All sensitivities in 10 tests/vial			
LYSATE 1.2 ml	0.03	R12003	
LYSATE 1.2 ml	0.06	R12006	
LYSATE 1.2 ml	0.125	R12012	
LYSATE 1.2 ml	0.25	R12025	
All sensitivities in 50 tests/vial			
LYSATE 5.2 ml	0.03	R15003	
LYSATE 5.2 ml	0.06	R15006	
LYSATE 5.2 ml	0.125	R11012	
LYSATE 5.2 ml	0.25	R11025	
EXCLUSIVE LYSATE 5.2 ml	0.015	R15015	

Charles River's "Total Solution" includes two turbidimetric assays: KTA² and KTA. KTA² combines the sensitivity and linearity of the chromogenic reagent with the price and stability of a turbidimetric lysate. Formulated with enhanced interference resistance, no reconstitution buffer is required. KTA² is approved for use with polynomial regression should a standard curve range be chosen in which linear regression is not an option.

The KTA turbidimetric reagent is a fast, buffered lysate designed for label claim sensitivity over a two-log range. Uniquely, the Endosafe KTA reagent is also a true gel-clot LAL that permits direct correlation of kinetic and traditional gel-clot assays.

Kinetic Turbidimetric Analysis (KTA) Reagent

Description	Sensitivity	Reference	£
LYSATE 5.2 ml KTA - 0.015 EU/ml	50 to 0.05	R15015	
LYSATE 5.2 ml KTA - 0.03 EU/ml	50 to 0.05	R15003	
LYSATE 5.2 ml KTA - 0.06 EU/ml	50 to 0.05	R15006	
EXCLUSIVE LYSATE 5.2 ml KTA2	100 to 0.001	R19000	

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When characteristics of a client's products require a chromogenic assay, Charles River offers endpoint and kinetic LAL reagents. The kinetic chromogenic product, **Endochrome-K**, is a buffered lysate that offers great linearity from 0.005 to 50 EU/ml in less than one hour. The enhanced stability of our reconstituted LAL allows for extended storage when refrigerated at 2-8°C or frozen at -20°C.

Kinetic Chromogenic Analysis Endochrome-K

Description	Sensitivity	Reference	£
ENDOCHROME-K 256 test KIT 8 x 3.2 ml vials 2 x 10 ng Control Standard Endotoxin 3 x 30 ml LAL Reagent Water	50 to 0.005	R1708K	
ENDOCHROME-K 320 test REAGENTS Contains : 10 x 3.2 ml vials	50 to 0.005	R1710K	
ENDOCHROME-K 3200 tests Contains : 100 x 3.2 ml vials	50 to 0.005	R17100K	

Charles River's chromogenic endpoint offers customers an LAL assay that yields quantitative results quickly over a narrow standard curve range without the need for an incubating plate reader.

Endpoint Chromogenic Analysis Endochrome

Description	Sensitivity	Reference	£
ENDOCHROME 140 test KIT: 5 x 1.4 ml vials 1 x 10 mg S-2423 Substrate 2 x 2 ng Control Standard Endotoxin 2 x 30 ml LAL Reagent Water 1 x 15 ml Tris Buffer	1.2 to 0.15 or 0.12 to 0.015	R160	