

Datasheet for KMA-0100**EndoAlert™ Endotoxin Plate Kit****Overview**

Description:	EndoAlert™ Endotoxin Plate Kit - KMA-0100
Item No.:	KMA-0100
Size:	1 Kit
Applications:	ELISA

Product Details

Background:	The EndoAlert™ Endotoxin Plate Kit is a kinetic, colorimetric assay for the quantitative determination of bacterial Endotoxin in aqueous solutions. Endotoxin, a bacterial lipopolysaccharide, is one of the major cell wall components of most gram-negative bacteria. The EndoAlert™ Endotoxin Plate Kit detects low levels of Endotoxin and is therefore a useful tool to assess the integrity of biological and environmental samples. The detection ranges from 0.01 - 10 Endotoxin units (EU/mL). The EndoAlert™ Endotoxin Plate Kit is a quantitative version of the reaction first described by Levin and Bang in 1968. The test is based upon an enzymatic cascade where Endotoxin activates Factor C in Limulus Amebocyte Lysate (LAL) which in turn activates Factor B. Factor B activates Proclotting Enzyme which then activates Clotting Enzyme. A colorless synthetic peptide substrate is hydrolyzed by Clotting Enzyme to generate a yellow color which can be measured by a spectrophotometer at 405 nm. The degree of color resulting from the reaction is proportional to the amount of Endotoxin in the test sample and can be calculated using a standard curve.
Synonyms:	Endotoxin Test Kit, Endotoxin level, Endotoxin Detection, bacterial Endotoxin, Limulus Amebocyte Lysate (LAL)
Detection Kit Type:	ELISA Kit
Low Endotoxin:	Yes

Target Details

Purity/Specificity:	This kit includes: 96-well plate, endotoxin standard, chromogenic lysate (~60 reactions), LAL reagent water. See kit protocol for complete details. The EndoAlert™ Endotoxin Plate Kit provides a level of Endotoxin only in relation to the standard. It is NOT specific to the species of gram-negative bacteria which is the source of the Endotoxin in the sample. To increase accuracy of the test when the source of Endotoxin is known, use a purified Endotoxin from that species.
Relevant Links:	• EndoAlert Kit Protocol

- **KMA-0100 SDS**

Application Details

Tested Applications:	ELISA
Application Note:	Endotoxin level detection. See kit protocol for complete details. The detection ranges from 0.01 - 10 Endotoxin units (EU/mL). Incubation 60 mins.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	The detection ranges from 0.01 - 10 Endotoxin units (EU/mL).
	Expiration Date: SEP2026

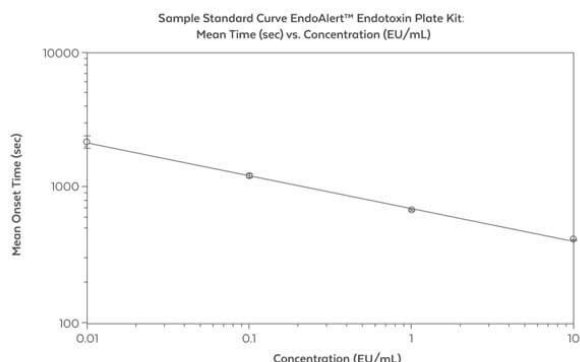
Formulation

Concentration:	1 Kit
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store all kit reagents at 2-8 °C in the dark. Avoid storing kits for extended periods (more than 24 hours) at room temperature. See kit protocol for complete details.
Expiration:	See kit insert for complete instructions.

Images



Diagram

EndoAlert™ Endotoxin Plate Kit - Mean Time (sec) vs. Concentration (EU/mL) Sample Standard Curve.

Standards: Concentration vs Mean Time: Log-Log Fit: Log (y)=A+B*Log(x): where A (2.86) B (-0.239) R² (0.999).



Kit Box

This product is assembled as a kit. See attached protocol or CofA for further details.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.