



Product Information

Insect lipopolysaccharide (LPS) ELISA kit

Cat. No.: X23-10-YM147

Size: 48T; 96T

Synonym: Insect LPS ELISA kit

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Insect lipopolysaccharide (LPS) ELISA kit, an enzyme-linked immunosorbent assay, has the ability to detect levels of Insect LPS as low as 10 pg/mL and its detection range is 156.25-5000 pg/mL.
Assay Principle	The kit is designed to measure the level of insect LPS in a sample. It utilizes purified insect LPS antibody to coat the microtiter plate wells, creating a solid-phase antibody. The sample containing insect LPS is then added to the wells, allowing the insect LPS to bind to the solid-phase antibody. HRP-labeled antibodies specific to insect LPS are subsequently added, forming an antibody-antigen-enzyme-antibody complex. After thorough washing, a TMB substrate solution is added, resulting in a blue color development due to the catalytic activity of the HRP enzyme. The reaction is stopped by adding a sulfuric acid solution, and the color change is measured at a wavelength of 450 nm using a spectrophotometer. The concentration of Insect LPS in the samples is determined by comparing the absorbance (O.D.) of the samples to a standard curve.
ELISA Type	Sandwich ELISA kit
Assay Type	Sandwich ELISA kit
Assay Target	LPS
Species Reactivity	Insect
Components	Closure plate membrane; Sealed bags; Micro ELISA stripplate; Standard; HRP-Conjugate reagent; Sample diluent; Chromogen solution A; Chromogen solution B; Stop solution; Wash solution
Sample Type	Serum, plasma, tissue homogenates and other biological fluids
Detection Method	Colorimetric, OD 450 nm
Assay Range	156.25-5000 pg/mL
Sensitivity	10 pg/mL
Precision (Intra-Assay)	CV <10%
Precision (Inter-Assay)	CV <15%
Recovery	>95%
Applications	Insect lipopolysaccharide (LPS) ELISA kit can be used to measure the level of Insect LPS in serum,



plasma, tissue homogenate and other biological fluid samples.

Storage

Store at 2-8°C.
