CREATIVE BIOMART®
Pyrogen-free
45-1 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-559-9269 1-516-512-3133 | Email: info@creative-biomart.com

Product Information

Microplate quantitative chromogenic matrix kit

CAT#: EKIT-010

Product Information

Description/Features	The microplate quantitative chromogenic matrix kit is used to quantitatively detect endotoxin by chromogenic reaction produced by limulus lysate using synthetic chromogenic matrix. Under suitable conditions (temperature, pH, and no interfering substances), bacterial endotoxin activates factor C, causing a series of enzymatic reactions that activate procoagulase to form coagulase, which breaks down the synthetic chromogenic matrix into polypeptides and yellow p-nitroaniline (PNA, λ Max = 405nm). In a certain period of time, the production of PNA was positively correlated with the concentration of bacterial endotoxin, so the concentration of bacterial endotoxin could be quantified.
Product Sensitivity	0.01-0.1EU/ml; 0.1-1EU/ml
Package	64-Test
Usage	For Research Use Only! Not For Use in Humans.
Application	This product is suitable for the quantitative detection of endotoxins in samples with a small sample size. It is suitable for the quantitative detection of trace samples, incubating on a microplate reader with a temperature control system or a constant temperature heating device.
Storage	The microplate quantitative chromogenic matrix kit is stable at room temperature and does not require refrigeration for shipping or storage.
Highlights	Endotoxin-free 96-well plates can be carried out at the same time, which saves time and effort when combined with sample slot and discharge gun. It does not rely on coagulation protein to form a gel, and has strong anti-interference ability. Minimal operation, automation and standardization.