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Product Datasheet

LER Sample Dilution Buffer ABS-RES-A129-1BOX

Article Name	LER Sample Dilution Buffer
Biozol Catalog Number	ABS-RES-A129-1BOX
Supplier Catalog Number	RES-A129-1box
Alternative Catalog Number	ABS-RES-A129-1BOX
Manufacturer	AcroBiosystems
Category	Kits/Assays
Product Description	LER Sample Dilution Buffer - Kits/Assays...
Form	Solid
Application Notes	Low Endotoxin Recovery (LER) refers to the phenomenon where the measured endotoxin concentration in a sample is lower than its actual level, which is a common interference issue in both Limulus Amebocyte Lysate (LAL) and recombinant C-factor assays for endotoxin detection. Matrix components such as citric acid, ethylenediaminetetraacetic acid (EDTA), Tween 20 and Tween 80 are common triggers of LER, as these substances can either bind to endotoxins, inhibit the enzymatic reaction of LAL reagents or block the activation of recombinant C-factor, resulting in inaccurate and underestimated endotoxin detection results. LER Sample Dilution Buffer can be added to samples containing the aforementioned interfering substances, which effectively mitigates the LER interference and ensures the accuracy of endotoxin quantification in both LAL and recombinant C-factor assays, with an endotoxin content of <0.005 EU/mL that eliminates the risk of introducing exogenous endotoxin contamination during sample preparation.