

**LAL Division**

1600 Bellwood Road
 Richmond, VA 23237 USA
 Phone: (804) 271-7677,
 Fax: (804) 271-7791

Certificate of Analysis

*Relationship Between Control Standard Endotoxin (CSE) and
 Reference Standard Endotoxin (RSE) - PYROSTAR™ ES-F/Plate*

RSE:	USP Endotoxin Reference Standard Lot # HOK354, 10,000 EU/vial
CSE:	Control Standard Endotoxin (FUJIFILM Wako Chemicals U.S.A. Corporation – LAL Division's Corporation)
CSE Lot No.:	G-74USA
Concentration:	500 ng/vial, <i>E. coli</i> UKT-B
Product Description:	<i>Limulus Amebocyte Lysate PYROSTAR™ ES-F/Plate (with CSE) (4 Vials of 2.0 mL LAL Reagent + 1 CSE vial)</i>
Lot No.:	102008
Production Date:	23 OCT 2020
Expiration Date:	2023.09
Determination Method:	KTA
<u>Approximate Biological Activity:</u>	
EU per Vial:	2,600 EU/vial
Method Reconstitute the CSE with 2.6 mL LAL Reagent Water to get 1000 EU/mL and vortex for 2 minutes at room temperature. After reconstitution, store CSE at 2→10°C for up to 1 month. DO NOT FREEZE CSE. For subsequent usages, vigorously vortex the solution for 1 minute before use. Vortex each CSE dilution for at least 30 seconds during preparation of dilutions.	
Reference United States Pharmacopeia (USP), 2020, General Chapter <85>, Bacterial Endotoxins Test (BET) European Pharmacopeia (EP), Chapter 2.6.14, Bacterial Endotoxins	
This is to certify that this product lot was manufactured according to current cGMP Standards, meets FUJIFILM Wako Chemicals U.S.A. Corporation – LAL Division's product specifications, and complies with all applicable requirements for product release.	

Created By: Yoshihiro Takasuga Date: 12 / 14 / 2020

Quality Assurance
 Approval By: [Signature] Date: 12 / 14 / 2020