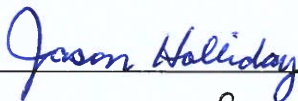


Certificate of Analysis

Relationship Between Control Standard Endotoxin (CSE) and
Reference Standard Endotoxin (RSE) – **PYROSTARTMES-F Multi** (Kit)

RSE:	USP Endotoxin Reference Standard Lot # HOK354, 10,000 EU/vial
CSE:	Control Standard Endotoxin (Wako Chemicals USA, Inc.)
CSE Lot No.:	G-74USA
Concentration:	500 ng/vial, <i>E. coli</i> UKT-B
Tested Against:	<i>Limulus Amebocyte Lysate</i> PYROSTARTMES-F MULTI TEST (5.2 mL) SENSITIVITY 0.03 EU/mL
LAL Lot No.:	011905
Production Date:	18 JAN 2019
Sensitivity:	0.03 EU/mL
Expiration Date:	2021.12
Determination Method:	KTA
<u>Approximate Biological Activity:</u>	
EU per Vial:	3,700 EU/vial
Method Reconstitute the CSE with 3.7 mL LAL Reagent Water to get 1,000 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), 2011, General Chapter <85>, Bacterial Endotoxins Test (BET)	
This is to certify that this product lot was manufactured according to current cGMP Standards, meets Wako Chemicals USA – LAL Division's product specifications, and complies with all applicable requirements for product release.	

Created By:



Date: 4/22/2019

Quality Assurance
Approval By:

Date: 4/22/2019