Certificate of Quality

VWR® DISPOSABLE SEROLOGICAL PIPETS, POLYSTYRENE, STERILE, PLUGGED

As per the manufacturer, the below product meets the following criteria:

North American Catalog No:	89130-896
Lot Number:	20518026
Description:	VWR PIPETTE SERO 5ML PR CS200
Manufacturing Date:	July 24, 2018
Expiration Date:	July 23, 2021

Component Materials:

Pipette	Polystyrene, meets USP Cytotoxicity Test <87>.
Mouthpiece Plug	Polyester, meets USP Cytotoxicity Test <87>.
Ink	meets USP Cytotoxicity Test <87>.

Volumetric Accuracy:
This product has been tested and is accurate within +/- 2% at stated full volume.
This manufacturing lot has been sampled and tested in accordance with Standard Operating Procedures and has been released by Quality Assurance for the following characteristics:

Test/Procedure	**Results**
Visual Attributes	Pass
Volumetric Accuracy	Pass
Packaging	Pass

Sterilization: The lot has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137 "*Sterilization of health care products-Requirements for validation and routine control-Radiation sterilization*".
Sterility Assurance Level: SAL 10^{-3}

Pyrogens: The product has been tested and has met the criteria established in ANSI/AAMI ST 72:2002/(R) 2010: "*Bacterial Endotoxins - Test methodologies, routine testing, and alternative to batch testing*".
Results: </= 0.1 EU/mL (</= 4 EU/device)

DNase/RNase: The product has been tested and has met the criteria established in ANSI/AAMI ST 72:2002/(R) 2010: "*Bacterial Endotoxins - Test methodologies, routine testing, and alternative to batch testing*".
Results: </= 0.1 EU/mL (</= 4 EU/device)

Bovine Spongiform Encephalopathy and Transmissible Spongiform Encephalopathy: This product is deemed animal free by virtue of not containing materials of animal origin and/or complies with the latest revision of EMA/410/01 section 6.4.

Signed:

Jamie Ethier
VP Global Quality
VWR, Part of Avantor

Date: August 21, 2018