# 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:** | 89130-898 |
| **Lot Number:** | 12718038 |
| **Description:** | VWR PIPETTE SERO 10ML PR CS200 |
| **Manufacturing Date:** | 05/07/2018 |
| **Expiration Date:** | 05/06/2021 |

**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:**

Linda K. Shine
Manager - Supplier Qualification
Global Compliance
VWR International LLC

**Date:** May 23, 2018