



## Quality Certificate

### VWR® WARD'S® STERILE, DISPOSABLE CELL SPREADERS

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

<b>North American Catalog No:</b>	470236-290
<b>Manufacture Lot Number:</b>	1571105
<b>Description:</b>	VWR SPREADER T-SHAPE 1/ST PEEL PACK 500
<b>Date of Manufacture:</b>	May 11, 2017
<b>Sterility Expiration:</b>	March 11, 2022
<b>Expiration Date:</b>	May 11, 2022

#### Product Specifications

<b>Material</b>	Tube material: ABS Plastic	APPROVED
<b>Appearance</b>	No flash, uniform blue color, and should be no impurity or oiliness, or incomplete molding	APPROVED
<b>Measurement</b>	<b>Length:</b> 34x140mm	APPROVED
<b>Performance</b>	No test	APPROVED
<b>Sterilization</b>	The product is processed by Ethylene Oxide.	APPROVED

#### Quality System Compliance

Products are manufactured under the ISO 13485 system with SOPs and class 100,000 clean-room quality guarantee. Stringent quality control protocols are followed at every process of production ranging from qualitative raw materials and process of production through final products.

#### Sterilization

The products have been sterilized with Ethylene Oxide and found to conform to the sterility requirements of EN ISO 11135-1:2007. The details and process of sterilization are as follows:

1. Type of sterilization cycle: Overkill cycle
2. Gas mixture: EO density of 1 Kg/m<sup>3</sup>
3. Maximum level of gas residue: 10 ppm

#### QC Testing

Products are inspected and controlled through the entire production process in accordance with current applicable product specifications and QC SOP. Inspection records are reviewed and signed by qualified personnel for product release.

This document has been produced electronically and is valid without a signature.

#### **Signed on behalf of VWR International:**

Michael J. Mascali, RPh, FASCP, ASQ CMQ – OE  
SVP Compliance  
VWR International LLC

**Date:** May 12, 2017