



Quality Certificate

VWR® WARD'S® STERILE, DISPOSABLE CELL SPREADERS

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

North American Catalog No:	470236-290
Manufacture Lot Number:	3680923
Description:	Wards Spread T-Shape 1/St Peel Pack 500
Date of Manufacture:	September 23, 2017
Sterility Expiration:	September 23, 2022
Expiration Date:	September 23, 2022

Product Specifications

Material	Tube material: ABS Plastic	APPROVED
Appearance	No flash, uniform blue color, and should be no impurity or oiliness, or incomplete molding	APPROVED
Measurement	Length: 34x140mm	APPROVED
Performance	No test	APPROVED
Sterilization	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/m³
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.

Signed:

Jamie Ethier
VP Global Quality
VWR, Part of Avantor

Date: February 18, 2019