

**MESA'S *Bacillus subtilis* "6633" Spore Suspensions**

This document refers to spore suspensions inoculated with *Bacillus subtilis*, reference #6633, made by Mesa's Bozeman, Montana Manufacturing Facility in comparison to discontinued *Bacillus subtilis*, reference #6633, spore suspensions formerly made by Mesa's Omaha, Nebraska Manufacturing Facility.

**General Characteristics:**

Specifications	Spore Suspension	Spore Suspension
Manufacturing Location	Omaha, NE	Bozeman, MT
Catalog #(s) <sup>1</sup>	SUS-1A-X	SS6633E/X
Population Range <sup>1</sup>	≥ 1.0x10 <sup>x</sup>	≥ 1.0x10 <sup>x</sup>
Volume	≥ 10ml	≥10ml
Packaging Configuration	DI water containing 40% Ethanol	Distilled water containing 40% Ethanol
Vial Composition	Borosilicate Glass	Borosilicate Glass
Stopper Composition	Gray Chlorobutyl	Red Rubber
Cell Line Number	6633	6633
D-value Range	Not Applicable	Not Applicable
Shelf-Life	12 months	24 months
Storage Conditions	2-8°C	Freezer (-25 to -10°C)
Compliance	USP, ISO 11138-1	USP, ISO 11138-1

<sup>1</sup>. "X" represents the population log per 0.1ml

**Product Lot Comparison:**

Product Characteristic	SUS-1A-X			SS6633E/X		
	Lot Number			Lot Number		
	1066633-818 log6/0.1ml	1066633-93 log6/0.1ml	1066633-916 log6/0.1ml	SS6633-490 log7/0.1ml	SS6633-486 log6/0.1ml	SS6633-475 log7/0.1ml
Population per suspension Per 0.1/ml	3.0x10 <sup>6</sup>	2.0x10 <sup>6</sup>	2.2x10 <sup>6</sup>	2.6x10 <sup>7</sup>	2.0x10 <sup>6</sup>	2.3x10 <sup>7</sup>

Based on a product comparison, the SS6633E/X suspensions manufactured by Mesa's Bozeman, Montana facility are substantially equivalent to Mesa's discontinued SUS-1A-X suspensions formerly manufactured at Mesa's Omaha, Nebraska facility.