

Consolidation of Spore Suspension Product Lines

Dear Valued Client,

As detailed in a previous correspondence Mesa will be relocating its Omaha, Nebraska and existing Bozeman, Montana manufacturing facilities to its newly constructed Bozeman, Montana manufacturing facility during the 2017 calendar year. In conjunction with the relocation Mesa is consolidating some product lines. This will allow the Mesa BI Division to become a more streamlined operation which in turn will allow us to support and fulfill our client needs with greater efficiency.

This communication will focus on **spore suspensions** manufactured by both the Omaha and Bozeman facilities. We are providing this to allow for clients to evaluate how these changes will impact their processes and allow time for planning and implementation of these changes within our client's systems and processes.

The products detailed in this notification will either be consolidated into a single product offering or discontinued as detailed in the tables on the following pages. We acknowledge that some customers may need to perform a validation on the equivalent product. If you anticipate you will need product to validate this change please contact our Customer Service group to be put on our list for validation shipments.

The ordering information associated with these products, during and post transition, follows:

Ordering Information	
Telephone	303-987-8000 Ext. 10040
Fax	406-585-9219
Email	bozcustserv@mesalabs.com

The timeline for implementation of these changes is detailed below:

- **Omaha Spore Suspensions:** All Omaha spore suspensions are immediately discontinued. Any future orders are limited to existing stock.
- **Bozeman Spore Suspensions:** Last date to order **discontinued items** is **September 29, 2017**.
- **Apex Spore Suspensions:** Last date to order **discontinued items** is **September 29, 2017**.

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CONSOLIDATED PRODUCTS: These items are NOT being discontinued.

Standard Spore Suspensions			
Item #	Species	Population	Packaging
SSGE/4	<i>Bacillus atrophaeus</i> #9372 in 40% EtOH	log4/0.1ml	10ml Vial
SSGE/5		log5/0.1ml	
SSGE/6		log6/0.1ml	
SSGE/7		log7/0.1ml	
SSGE/8		log8/0.1ml	
SSSE/4	<i>Geobacillus stearothermophilus</i> #7953 in 40% EtOH	log4/0.1ml	
SSSE/5		log5/0.1ml	
SSSE/6		log6/0.1ml	
SSSE/7		log7/0.1ml	
SS5230E/4	<i>Bacillus subtilis</i> (5230) #35021 in 40% EtOH	log4/0.1ml	
SS5230E/5		log5/0.1ml	
SS5230E/6		log6/0.1ml	
SS5230E/7		log7/0.1ml	
SS5230E/8		log8/0.1ml	
SS6633E/4	<i>Bacillus subtilis</i> #6633 in 40% EtOH	log4/0.1ml	
SS6633E/5		log5/0.1ml	
SS6633E/6		log6/0.1ml	
SS6633E/7		log7/0.1ml	
SS6633E/8		log8/0.1ml	
SSRE/4	<i>Bacillus pumilus</i> #27142 in 40% EtOH	log4/0.1ml	
SSRE/5		log5/0.1ml	
SSRE/6		log6/0.1ml	
SSRE/7		log7/0.1ml	
SSRE/8		log8/0.1ml	
Apex Spore Suspensions			
Item #	Species	Population	Packaging
35.LAU-196	<i>Geobacillus stearothermophilus</i> #12980 in 29% EtOH	log7/0.1ml	10ml Vial
35.LPT-606	<i>Geobacillus stearothermophilus</i> #7953 in 29% EtOH	log7/0.1ml	

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DISCONTINUED OMAHA PRODUCTS:

Omaha Spore Suspensions	
Suspensions in 40% EtOH	Best Match from Consolidated List
<i>Bacillus atrophaeus</i> 9372: SUS-1-4, SUS-1-5, SUS-1-6, SUS-1-7, SUS-1-8, SUS-1-9	SSGE/4 – SSGE/8
<i>Bacillus subtilis</i> (5230) 35021: SUS-1B-4, SUS-1B-5, SUS-1B-6, SUS-1B-7, SUS-1B-8, SUS-1B-9	SS5230E/4 – SS5230E/8
<i>Bacillus subtilis</i> 6633: SUS-1A-4, SUS-1A-5, SUS-1A-6, SUS-1A-7, SUS-1A-8	SS6633E/4 – SS6633/8
<i>Bacillus pumilus</i> 27142: SUS-7-4, SUS-7-5, SUS-7-6, SUS-7-7, SUS-7-8, SUS-7-9	SSRE/4 – SSRE/8
<i>Bacillus thuringiensis</i> 29730: SUS-6-6, SUS-6-7, SUS-6-8, SUS-6-9	N/A
<i>Bacillus megaterium</i> 8245: SUS-9-6, SUS-9-7, SUS-9-8, SUS-9-9	N/A
<i>Bacillus cereus</i> 11778: SUS-8-6, SUS-8-7, SUS-8-8	N/A
<i>Bacillus smithii</i> 51232: SUS-CG-6, SUS-CG-7	N/A
<i>Bacillus licheniformis</i> 14580: SUS-BL-7, SUS-BL-9	N/A
<i>Geobacillus stearothermophilus</i> 7953: SUS-3-4, SUS-3-5, SUS-3-6, SUS-3-7, SUS-3-8	SSSE/4 – SSSE-7
<i>Geobacillus stearothermophilus</i> 12980: SUS-3A-4, SUS-3A-5, SUS-3A-6, SUS-3A-7	35.LAU-196
<i>Geobacillus stearothermophilus</i> 10149: SUS-3B-4, SUS-3B-5, SUS-3B-6, SUS-3B-7	N/A
<i>Clostridium sporogenes</i> 7955: SUS-CS-3, SUS-CS-4, SUS-CS-5, SUS-CS-6, SUS-CS-7	N/A
Suspensions in DI Water	Best Match from Consolidated List
<i>Bacillus atrophaeus</i> 9373: SUS-1-4DI, SUS-1-5DI, SUS-1-6DI, SUS-1-7DI, SUS-1-8DI, SUS-1-9DI	SSGE/4 – SSGE/8
<i>Bacillus subtilis</i> (5230)35021: SUS-1B-4DI, SUS-1B-5DI, SUS-1B-6DI, SUS-1B-7DI, SUS-1B-8DI, SUS-1B-9DI	SS5230E/4 – SS5230E/8
<i>Bacillus subtilis</i> 6633: SUS-1A-4DI, SUS-1A-5DI, SUS-1A-6DI, SUS-1A-7DI, SUS-1A-8DI	SS6633E/4 – SS6633E/8
<i>Bacillus pumilus</i> 27142: SUS-7-4DI, SUS-7-5DI, SUS-7-6DI, SUS-7-7DI, SUS-7-8DI, SUS-7-9DI	SSRE/4 – SSRE/8
<i>Bacillus thuringiensis</i> 29730: SUS-6-6DI, SUS-6-7DI, SUS-6-8DI, SUS-6-9DI	N/A
<i>Bacillus megaterium</i> 8245: SUS-9-6DI, SUS-9-7DI, SUS-9-8DI, SUS-9-9DI	N/A
<i>Bacillus cereus</i> 11778: SUS-8-6DI, SUS-8-7DI, SUS-8-8DI	N/A
<i>Bacillus smithii</i> 51232: SUS-CG-6DI, SUS-CG-7DI	N/A
<i>Bacillus licheniformis</i> 14580: SUS-BL-7DI, SUS-BL-9DI	N/A
<i>Geobacillus stearothermophilus</i> 7953: SUS-3-4DI, SUS-3-5DI, SUS-3-6DI, SUS-3-7DI, SUS-3-8DI	SSSE/4 – SSSE/7
<i>Geobacillus stearothermophilus</i> 12980: SUS-3A-4DI, SUS-3A-5DI, SUS-3A-6DI, SUS-3A-7DI	35.LAU-196
<i>Geobacillus stearothermophilus</i> 10149: SUS-3B-4DI, SUS-3B-5DI, SUS-3B-6DI, SUS-3B-7DI	N/A
<i>Clostridium sporogenes</i> 7955: SUS-CS-3DI, SUS-CS-4DI, SUS-CS-5DI, SUS-CS-6DI, SUS-CS-7DI	N/A

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DISCONTINUED BOZEMAN PRODUCTS:

Bozeman Spore Suspensions	
Suspensions in 40% EtOH	Best Match from Consolidated List
<i>Bacillus atrophaeus</i> 9372: SSGE/3, SSGE/9	SSGE/4, SSGE-8
<i>Bacillus subtilis</i> DSM 4181: SS4181E/6, SS4181E/7, SS4181E/8	N/A
<i>Bacillus subtilis</i> 6633: SS6633E/3	SS6633E/4
<i>Bacillus megaterium</i> 14581: SSME/4, SSME/5, SSME/6, SSME/7	N/A
<i>Bacillus cereus</i> 14579: SSBCE/4, SSBCE/5, SSBCE/6, SSBCE/7, SSBCE/8	N/A
<i>Bacillus smithii</i> 51232: SSSIE/4, SSSIE/5, SSSIE/6, SSSIE/7	N/A
<i>Bacillus licheniformis</i> 14580: SSLFE/6, SSLFE/7	N/A
<i>Bacillus pumilus</i> 27142: SSRE/3	SSRE/4
<i>Geobacillus stearothermophilus</i> 7953: SSSE/3, SSSE/8	SSSE/4, SSSE/7
<i>Clostridium sporogenes</i> : SSCSPE/3, SSCSPE/4, SSCSPE/6, SSCSPE/7	N/A
Suspensions in Distilled Water	Best Match from Consolidated List
<i>Bacillus subtilis</i> 35021: SS5230A/4, SS5230A/5, SS5230A/6, SS5230A/7, SS5230A/8	SS5230E/4 – SS5230E/8
<i>Bacillus subtilis</i> 6633: SS6633A/3, SS6633A/4, SS6633A/5, SS6633A/6, SS6633A/7, SS6633A/8	SS6633E/4 – SS6633E/8
<i>Bacillus megaterium</i> 14581: SSMA/4, SSMA/5, SSMA/6, SSMA/7	N/A
<i>Bacillus cereus</i> 14579: SSBKA/4, SSBKA/5, SSBKA/6, SSBKA/7, SSBKA/8	N/A
<i>Bacillus smithii</i> 51232: SSSIA/4, SSSIA/5, SSSIA/6, SSSIA/7	N/A
<i>Bacillus licheniformis</i> 14580: SSLFA/6, SSLFA/7	N/A
<i>Geobacillus stearothermophilus</i> 7953: SSSA/3, SSSA/4, SSSA/5, SSSA/6, SSSA/7, SSSA/8	SSSE/4 – SSSE/7
<i>Clostridium sporogenes</i> : SSCSPA/3, SSCSPA/4, SSCSPA/5, SSCSPA/6, SSCSPA/7	N/A
Apex Spore Suspensions	
Suspensions in 29% EtOH	Best Match from Consolidated List
<i>Geobacillus stearothermophilus</i> 12980: 35.LAU-196E8	35.LAU-196
<i>Bacillus atrophaeus</i> 9372: 35CDR-123SUSP	SSGE/4 – SSGE/8

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We understand that our clients have different needs based upon their quality system requirements or standard operating procedures. Because of this, if there is something specific that is required, such as completion of specific forms or documents, samples, etc.... please do not hesitate to let us know.

Thank you for being a valued client and we look forward to continuing to serve you.

If you have any questions, please don't hesitate to contact us.

Sincerely,



Robert Bradley
Director of Production



Janis Smoke
Director of QA/RA