

MERCK



Dive Into Lipidomics with UltimateSPLASH™ ONE

**Complete Internal Standard Solution for Quantitative
Lipidomics from Avanti® Polar Lipids**

The life science business
of Merck operates as
MilliporeSigma in the
U.S. and Canada.

UltimateSPLASH™ ONE

One vial containing 69 high-purity deuterium labeled internal standards covering 15 lipid classes. Each vial contains 1.2mL of 1:1 DCM:MeOH solution that has been meticulously characterized, quantitated, and blended for accurate quantitation using multiple lipidomics techniques.

Prod. No.	Product Name
330820L	UltimateSPLASH™ ONE

Prod. No.	Individual Components Product Name	Molecular Formula
860906L	14:0-13:0-14:0 TG-d5	C ₄₄ H ₇₉ D ₅ O ₆
860907L	14:0-15:1-14:0 TG-d5	C ₄₆ H ₈₁ D ₅ O ₆
860908L	14:0-17:1-14:0 TG-d5	C ₄₈ H ₈₅ D ₅ O ₆
860910L	16:0-15:1-16:0 TG-d5	C ₅₀ H ₈₉ D ₅ O ₆
860909L	16:0-17:1-16:0 TG-d5	C ₅₂ H ₉₃ D ₅ O ₆
860911L	16:0-19:2-16:0 TG-d5	C ₅₄ H ₉₅ D ₅ O ₆
860914L	18:1-17:1-18:1 TG-d5	C ₅₆ H ₉₇ D ₅ O ₆
860912L	18:1-19:2-18:1 TG-d5	C ₅₈ H ₉₉ D ₅ O ₆
860913L	18:1-21:2-18:1 TG-d5	C ₆₀ H ₁₀₃ D ₅ O ₆
700220L	14:1 cholesteryl-d7 ester	C ₄₁ H ₆₃ D ₇ O ₂
700221L	16:1 cholesteryl-d7 ester	C ₄₃ H ₆₇ D ₇ O ₂
700222L	18:1 cholesteryl-d7 ester	C ₄₅ H ₇₁ D ₇ O ₂
700223L	20:3 cholesteryl-d7 ester	C ₄₇ H ₇₁ D ₇ O ₂
700226L	22:4 cholesteryl-d7 ester	C ₄₉ H ₇₃ D ₇ O
860748L	C16:1 Ceramide-d7 (d18:1-d7/16:1)	C ₃₄ H ₅₈ D ₇ NO ₃
860747L	C18:1 Ceramide-d7 (d18:1-d7/18:1)	C ₃₆ H ₆₂ D ₇ NO ₃
860746L	C20:1 Ceramide-d7 (d18:1-d7/20:1)	C ₃₈ H ₆₆ D ₇ NO ₃
860745L	C22:1 Ceramide-d7 (d18:1-d7/22:1)	C ₄₀ H ₇₀ D ₇ NO ₃
860679L	C24:1 Ceramide-d7 (d18:1-d7/24:1)	C ₄₂ H ₇₄ D ₇ NO ₃
860741L	16:1 SM (d18:1/16:1)-d9	C ₃₉ H ₆₈ D ₉ N ₂ O ₆ P
860740L	18:1 SM (d18:1/18:1)-d9	C ₄₁ H ₇₂ D ₉ N ₂ O ₆ P
860742L	20:1 SM (d18:1/20:1)-d9	C ₄₃ H ₇₆ D ₉ N ₂ O ₆ P
860743L	22:1 SM (d18:1/22:1)-d9	C ₄₅ H ₈₀ D ₉ N ₂ O ₆ P
860744L	24:1 SM (d18:1/24:1)-d9	C ₄₇ H ₈₄ D ₉ N ₂ O ₆ P
855683L	17:0-14:1 PC-d5	C ₃₉ H ₇₁ D ₅ NO ₈ P
855682L	17:0-16:1 PC-d5	C ₄₁ H ₇₅ D ₅ NO ₈ P
855681L	17:0-18:1 PC-d5	C ₄₃ H ₇₉ D ₅ NO ₈ P
855680L	17:0-20:3 PC-d5	C ₄₅ H ₇₉ D ₅ NO ₈ P
855678L	17:0-22:4 PC-d5	C ₄₇ H ₈₁ D ₅ NO ₈ P
856721L	17:0-14:1 PE-d5	C ₃₆ H ₆₅ D ₅ NO ₈ P
856720L	17:0-16:1 PE-d5	C ₃₈ H ₆₉ D ₅ NO ₈ P
856719L	17:0-18:1 PE-d5	C ₄₀ H ₇₃ D ₅ NO ₈ P
856718L	17:0-20:3 PE-d5	C ₄₂ H ₇₃ D ₅ NO ₈ P

Prod. No.	Individual Components Product Name	Molecular Formula
856717L	17:0-22:4 PE-d5	C ₄₄ H ₇₅ D ₅ NO ₈ P
858135L	17:0-14:1 PG-d5	C ₃₇ H ₆₅ D ₅ NaO ₁₀ P
858134L	17:0-16:1 PG-d5	C ₃₉ H ₆₉ D ₅ NaO ₁₀ P
858133L	17:0-18:1 PG-d5	C ₄₁ H ₇₃ D ₅ NaO ₁₀ P
858132L	17:0-20:3 PG-d5	C ₄₃ H ₇₃ D ₅ NaO ₁₀ P
858131L	17:0-22:4 PG-d5	C ₄₅ H ₇₅ D ₅ NaO ₁₀ P
858153L	17:0-14:1 PS-d5	C ₃₇ H ₆₄ D ₅ NNaO ₁₀ P
858152L	17:0-16:1 PS-d5	C ₄₁ H ₇₂ D ₅ NNaO ₁₀ P
858151L	17:0-18:1 PS-d5	C ₄₁ H ₇₂ D ₅ NNaO ₁₀ P
858150L	17:0-20:3 PS-d5	C ₄₃ H ₇₂ D ₅ NNaO ₁₀ P
858149L	17:0-22:4 PS-d5	C ₄₅ H ₇₄ D ₅ NNaO ₁₀ P
800827L	17:0-14:1 DG-d5	C ₃₄ H ₅₉ D ₅ O ₅
800826L	17:0-16:1 DG-d5	C ₃₆ H ₆₃ D ₅ O ₅
800824L	17:0-18:1 DG-d5	C ₃₈ H ₆₇ D ₅ O ₅
800825L	17:0-20:3 DG-d5	C ₄₀ H ₆₇ D ₅ O ₅
800823L	17:0-22:4 DG-d5	C ₄₂ H ₆₉ D ₅ O ₅
850109L	17:0-14:1 PI-d5	C ₄₀ H ₇₃ D ₅ NO ₁₃ P
850110L	17:0-16:1 PI-d5	C ₄₂ H ₇₇ D ₅ NO ₁₃ P
850111L	17:0-18:1 PI-d5	C ₄₄ H ₈₁ D ₅ NO ₁₃ P
850112L	17:0-20:3 PI-d5	C ₄₆ H ₈₁ D ₅ NO ₁₃ P
850118L	17:0-22:4 PI-d5	C ₄₈ H ₈₃ D ₅ NO ₁₃ P
850107L	15:0 Lyso PI-d5	C ₂₄ H ₄₅ D ₅ NO ₁₂ P
850108L	17:0 Lyso PI-d5	C ₂₆ H ₄₉ D ₅ NO ₁₂ P
850106L	19:0 Lyso PI-d5	C ₂₈ H ₅₃ D ₅ NO ₁₂ P
858146L	15:0 Lyso PS-d5	C ₂₁ H ₃₆ D ₅ NNaO ₉ P
858148L	17:0 Lyso PS-d5	C ₂₃ H ₄₀ D ₅ NNaO ₉ P
858147L	19:0 Lyso PS-d5	C ₂₅ H ₄₄ D ₅ NNaO ₉ P
858123L	15:0 Lyso PG-d5	C ₂₁ H ₃₇ D ₅ NaO ₉ P
858130L	17:0 Lyso PG-d5	C ₂₃ H ₄₁ D ₅ NaO ₉ P
858129L	19:0 Lyso PG-d5	C ₂₅ H ₄₅ D ₅ NaO ₉ P
870309L	15:0 Lyso PC-d5	C ₂₃ H ₄₃ D ₅ NO ₇ P
855679L	17:0 Lyso PC-d5	C ₂₅ H ₄₇ D ₅ NO ₇ P
855778L	19:0 Lyso PC-d5	C ₂₇ H ₅₁ D ₅ NO ₇ P
856709L	15:0 Lyso PE-d5	C ₂₀ H ₃₇ D ₅ NO ₇ P
856710L	17:0 Lyso PE-d5	C ₂₂ H ₄₁ D ₅ NO ₇ P
856716L	19:0 Lyso PE-d5	C ₂₄ H ₄₅ D ₅ NO ₇ P

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