

UltimateSPLASH™ ONE Internal Standard for Lipidomic Analysis
Product Number 330820L-1EA
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Physical form	1:1 Dichloromethane:Methanol Solution (1.2mL per vial) containing 69 deuterium labeled internal standards
Storage	-20° C (Freezer)
Manufacture date	December 20, 2019
Expiration date	One year from date of receipt
Product Handling	This is a single-use container. Prior to opening, warm bath sonicate the ampule for approximately five minutes and perform repeated inversion or vortex mixing to completely solubilize and mix vial contents. Lipids in solution can precipitate during shipping and storage conditions.
Lot number	330820L-1EA-010
M Lot number	6833LAA010

Internal Standard	Molecular Formula	Exact Mass	Concentration <small>(Determined using Quantitative Proton NMR, and based on the isotopic purity of each individual standard by Mass Spec)</small>
14:0-13:0-14:0 TG-d5	C ₄₄ H ₇₉ D ₅ O ₆	713.6582	25 µg/mL
14:0-15:1-14:0 TG-d5	C ₄₆ H ₈₁ D ₅ O ₆	739.6738	50 µg/mL
14:0-17:1-14:0 TG-d5	C ₄₈ H ₈₅ D ₅ O ₆	767.7051	75 µg/mL
16:0-15:1-16:0 TG-d5	C ₅₀ H ₈₉ D ₅ O ₆	795.7364	100 µg/mL
16:0-17:1-16:0 TG-d5	C ₅₂ H ₉₃ D ₅ O ₆	823.7677	125 µg/mL
16:0-19:2-16:0 TG-d5	C ₅₄ H ₉₅ D ₅ O ₆	849.7834	100 µg/mL
18:1-17:1-18:1 TG-d5	C ₅₆ H ₉₇ D ₅ O ₆	875.7990	75 µg/mL
18:1-19:2-18:1 TG-d5	C ₅₈ H ₉₉ D ₅ O ₆	901.8147	50 µg/mL
18:1-21:2-18:1 TG-d5	C ₆₀ H ₁₀₃ D ₅ O ₆	929.8460	25 µg/mL
14:1 cholesteryl-d7 ester	C ₄₁ H ₆₃ D ₇ O ₂	601.5815	25 µg/mL
16:1 cholesteryl-d7 ester	C ₄₃ H ₆₇ D ₇ O ₂	629.6128	50 µg/mL
18:1 cholesteryl-d7 ester	C ₄₅ H ₇₁ D ₇ O ₂	657.6441	75 µg/mL
20:3 cholesteryl-d7 ester	C ₄₇ H ₇₁ D ₇ O ₂	681.6441	50 µg/mL
22:4 cholesteryl-d7 ester	C ₄₉ H ₇₃ D ₇ O ₂	707.6598	25 µg/mL
C16:1 Ceramide-d7 (d18:1-d7/16:1)	C ₃₄ H ₅₈ D ₇ NO ₃	542.5404	75 µg/mL
C18:1 Ceramide-d7 (d18:1-d7/18:1)	C ₃₆ H ₆₂ D ₇ NO ₃	570.5717	50 µg/mL
C20:1 Ceramide-d7 (d18:1-d7/20:1)	C ₃₈ H ₆₆ D ₇ NO ₃	598.6030	25 µg/mL
C22:1 Ceramide-d7 (d18:1-d7/22:1)	C ₄₀ H ₇₀ D ₇ NO ₃	626.6343	50 µg/mL
C24:1 Ceramide-d7 (d18:1-d7/24:1)	C ₄₂ H ₇₄ D ₇ NO ₃	654.6656	75 µg/mL
16:1 SM (d18:1/16:1)-d9	C ₃₉ H ₆₈ D ₉ N ₂ O ₆ P	709.6084	75 µg/mL
18:1 SM (d18:1/18:1)-d9	C ₄₁ H ₇₂ D ₉ N ₂ O ₆ P	737.6397	50 µg/mL
20:1 SM (d18:1/20:1)-d9	C ₄₃ H ₇₆ D ₉ N ₂ O ₆ P	765.6710	25 µg/mL
22:1 SM (d18:1/22:1)-d9	C ₄₅ H ₈₀ D ₉ N ₂ O ₆ P	793.7023	50 µg/mL
24:1 SM (d18:1/24:1)-d9	C ₄₇ H ₈₄ D ₉ N ₂ O ₆ P	821.7336	75 µg/mL

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17:0-14:1 PC-d5	C ₃₉ H ₇₁ D ₅ NO ₈ P	722.5622	50 µg/mL
17:0-16:1 PC-d5	C ₄₁ H ₇₅ D ₅ NO ₈ P	750.5935	100 µg/mL
17:0-18:1 PC-d5	C ₄₃ H ₇₉ D ₅ NO ₈ P	778.6248	150 µg/mL
17:0-20:3 PC-d5	C ₄₅ H ₇₉ D ₅ NO ₈ P	802.6248	100 µg/mL
17:0-22:4 PC-d5	C ₄₇ H ₈₁ D ₅ NO ₈ P	828.6405	50 µg/mL
17:0-14:1 PE-d5	C ₃₆ H ₆₅ D ₅ NO ₈ P	680.5153	25 µg/mL
17:0-16:1 PE-d5	C ₃₈ H ₆₉ D ₅ NO ₈ P	708.5466	50 µg/mL
17:0-18:1 PE-d5	C ₄₀ H ₇₃ D ₅ NO ₈ P	736.5779	75 µg/mL
17:0-20:3 PE-d5	C ₄₂ H ₇₃ D ₅ NO ₈ P	760.5779	50 µg/mL
17:0-22:4 PE-d5	C ₄₄ H ₇₅ D ₅ NO ₈ P	786.5935	25 µg/mL
17:0-14:1 PG-d5 (Na Salt)	C ₃₇ H ₆₅ D ₅ NaO ₁₀ P	733.4918	25 µg/mL
17:0-16:1 PG-d5 (Na Salt)	C ₃₉ H ₆₉ D ₅ NaO ₁₀ P	761.5231	50 µg/mL
17:0-18:1 PG-d5 (Na Salt)	C ₄₁ H ₇₃ D ₅ NaO ₁₀ P	789.5544	75 µg/mL
17:0-20:3 PG-d5 (Na Salt)	C ₄₃ H ₇₃ D ₅ NaO ₁₀ P	813.5544	50 µg/mL
17:0-22:4 PG-d5 (Na Salt)	C ₄₅ H ₇₅ D ₅ NaO ₁₀ P	839.5701	25 µg/mL
17:0-14:1 PS-d5 (Na Salt)	C ₃₇ H ₆₄ D ₅ NNaO ₁₀ P	746.4871	25 µg/mL
17:0-16:1 PS-d5 (Na Salt)	C ₃₉ H ₆₈ D ₅ NNaO ₁₀ P	774.5184	50 µg/mL
17:0-18:1 PS-d5 (Na Salt)	C ₄₁ H ₇₂ D ₅ NNaO ₁₀ P	802.5497	75 µg/mL
17:0-20:3 PS-d5 (Na Salt)	C ₄₃ H ₇₂ D ₅ NNaO ₁₀ P	826.5497	50 µg/mL
17:0-22:4 PS-d5 (Na Salt)	C ₄₅ H ₇₄ D ₅ NNaO ₁₀ P	852.5653	25 µg/mL
17:0-14:1 DG-d5	C ₃₄ H ₅₉ D ₅ O ₅	557.5068	25 µg/mL
17:0-16:1 DG-d5	C ₃₆ H ₆₃ D ₅ O ₅	585.5381	50 µg/mL
17:0-18:1 DG-d5	C ₃₈ H ₆₇ D ₅ O ₅	613.5694	75 µg/mL
17:0-20:3 DG-d5	C ₄₀ H ₆₇ D ₅ O ₅	637.5694	50 µg/mL
17:0-22:4 DG-d5	C ₄₂ H ₆₉ D ₅ O ₅	663.5850	25 µg/mL
17:0-14:1 PI-d5 (NH ₄ Salt)	C ₄₀ H ₇₃ D ₅ NO ₁₃ P	816.5525	25 µg/mL
17:0-16:1 PI-d5 (NH ₄ Salt)	C ₄₂ H ₇₇ D ₅ NO ₁₃ P	844.5838	50 µg/mL
17:0-18:1 PI-d5 (NH ₄ Salt)	C ₄₄ H ₈₁ D ₅ NO ₁₃ P	872.6151	75 µg/mL
17:0-20:3 PI-d5 (NH ₄ Salt)	C ₄₆ H ₈₁ D ₅ NO ₁₃ P	896.6151	50 µg/mL
17:0-22:4 PI-d5 (NH ₄ Salt)	C ₄₈ H ₈₃ D ₅ NO ₁₃ P	922.6307	25 µg/mL

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15:0 Lyso PI-d5 (NH ₄ Salt)	C ₂₄ H ₄₅ D ₅ NO ₁₂ P	580.3384	25 µg/mL
17:0 Lyso PI-d5 (NH ₄ Salt)	C ₂₆ H ₄₉ D ₅ NO ₁₂ P	608.3697	50 µg/mL
19:0 Lyso PI-d5 (NH ₄ Salt)	C ₂₈ H ₅₃ D ₅ NO ₁₂ P	636.4010	25 µg/mL
15:0 Lyso PS-d5 (Na Salt)	C ₂₁ H ₃₆ D ₅ NNaO ₉ P	510.2730	25 µg/mL
17:0 Lyso PS-d5 (Na Salt)	C ₂₃ H ₄₀ D ₅ NNaO ₉ P	538.3043	50 µg/mL
19:0 Lyso PS-d5 (Na Salt)	C ₂₅ H ₄₄ D ₅ NNaO ₉ P	566.3356	25 µg/mL
15:0 Lyso PG-d5 (Na Salt)	C ₂₁ H ₃₇ D ₅ NaO ₉ P	497.2778	25 µg/mL
17:0 Lyso PG-d5 (Na Salt)	C ₂₃ H ₄₁ D ₅ NaO ₉ P	525.3091	50 µg/mL
19:0 Lyso PG-d5 (Na Salt)	C ₂₅ H ₄₅ D ₅ NaO ₉ P	553.3404	25 µg/mL
15:0 Lyso PC-d5	C ₂₃ H ₄₃ D ₅ NO ₇ P	486.3482	25 µg/mL
17:0 Lyso PC-d5	C ₂₅ H ₄₇ D ₅ NO ₇ P	514.3795	50 µg/mL
19:0 Lyso PC-d5	C ₂₇ H ₅₁ D ₅ NO ₇ P	542.4108	25 µg/mL
15:0 Lyso PE-d5	C ₂₀ H ₃₇ D ₅ NO ₇ P	444.3013	25 µg/mL
17:0 Lyso PE-d5	C ₂₂ H ₄₁ D ₅ NO ₇ P	472.3326	50 µg/mL
19:0 Lyso PE-d5	C ₂₄ H ₄₅ D ₅ NO ₇ P	500.3639	25 µg/mL

Approved by:



Quality Control Representative

QC Release Date:

01/15/2020