

**CER Internal Standard Mixture - UltimateSPLASH™**
**Product Number 330823L-1EA**
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<b>Physical form</b>	1:1 Dichloromethane:Methanol Solution (1.2mL per vial) containing 5 deuterium labeled internal standards
<b>Storage</b>	-20° C (Freezer)
<b>Manufacture date</b>	November 27, 2019
<b>Expiration date</b>	One year from date of receipt
<b>Product Handling</b>	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.
<b>Lot number</b>	<b>330823L-1EA-010</b>
<b>M Lot number</b>	<b>6854LAA010</b>

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>
C16:1 Ceramide-d7 (d18:1-d7/16:1)	C <sub>34</sub> H <sub>58</sub> D <sub>7</sub> NO <sub>3</sub>	542.5404	75 µg/mL
C18:1 Ceramide-d7 (d18:1-d7/18:1)	C <sub>36</sub> H <sub>62</sub> D <sub>7</sub> NO <sub>3</sub>	570.5717	50 µg/mL
C20:1 Ceramide-d7 (d18:1-d7/20:1)	C <sub>38</sub> H <sub>66</sub> D <sub>7</sub> NO <sub>3</sub>	598.6030	25 µg/mL
C22:1 Ceramide-d7 (d18:1-d7/22:1)	C <sub>40</sub> H <sub>70</sub> D <sub>7</sub> NO <sub>3</sub>	626.6343	50 µg/mL
C24:1 Ceramide-d7 (d18:1-d7/24:1)	C <sub>42</sub> H <sub>74</sub> D <sub>7</sub> NO <sub>3</sub>	654.6656	75 µg/mL

Approved by:



Quality Control Representative

QC Release Date:

01/16/2020

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