

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
<b>330820L</b>	<b>UltimateSPLASH™ ONE</b>

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

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

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