

LIPID MAPS Mass Spectrometry Internal Standards for Glycerolipids

Name	Avanti Number
18:1 (c6,c9,c6) TG	LM-3217
18:1 (c9,c6,c9) TG	LM-3216
Deuterated TG Mixture I*	LM-6000
Deuterated DG Mixture I†	LM-6001
Deuterated DG Mixture II‡	LM-6004

MS Internal Standards were formulated using unique molecules designed by Avanti Polar Lipids and the LIPID MAPS Consortium. Avanti is proud to supply these Quantitative MS Internal Standards to LIPID MAPS, and they are now available to the research community.

†Deuterated DG Mixture I contains
1,3-20:5 D5 DG
1,3-14:0 D5 DG
1,3-15:0 D5 DG
1,3-16:0 D5 DG
1,3-17:0 D5 DG
1,3-19:0 D5 DG
1,3-20:0 D5 DG
1,3-20:2 D5 DG
1,3-20:4 D5 DG

‡Deuterated DG Mixture II contains
1,3-16:1 D5 DG
1,3-18:0 D5 DG
1,3-18:1 D5 DG
1,3-18:2 D5 DG

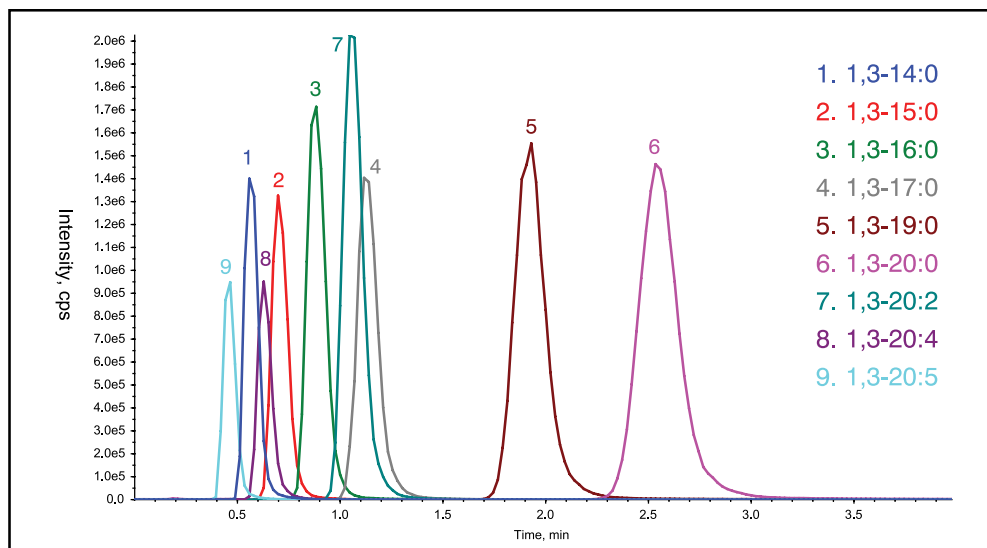
*Deuterated TG Mixture I contains
20:5-22:6-20:5 D5 TG
14:0-16:1-14:0 D5 TG
15:0-18:1-15:0 D5 TG
16:0-18:0-16:0 D5 TG
17:0-17:1-17:0 D5 TG
19:0-12:0-19:0 D5 TG
20:0-20:1-20:0 D5 TG
20:2-18:3-20:2 D5 TG

QUALITATIVE STANDARDS

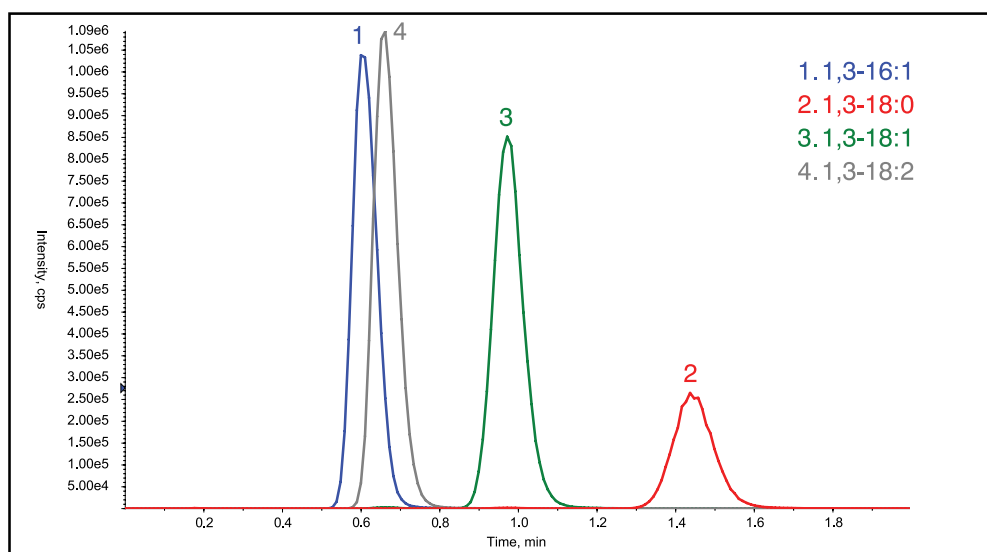
Standard	Number
16:0 MG	110606
17:0 MG	110607
18:1 MG	110608
18:2 MG	110609
12:0 DG	110611
18:0 DG	110882
18:0-16:0 DG	110883
18:0-20:4 DG	110612
20:0-18:0 DG	110880
1-C15-3-18:1 DG	110593
1-C15-3-20:4 DG	110594
1-C18(plasm)-3-17:0 DG	110603
1-C18(plasm)-3-17:1 DG	110597
1-C18(plasm)-3-20:4 DG	110596
1,3-14:0 D5 DG	110535

Standard	Number
1,3-15:0 D5 DG	110536
1,3-16:0 D5 DG	110537
1,3-16:1 D5 DG	110579
1,3-17:0 D5 DG	110538
1,3-18:0 D5 DG	110580
1,3-18:1 D5 DG	110581
1,3-18:2 D5 DG	110582
1,3-19:0 D5 DG	110539
1,3-20:0 D5 DG	110540
1,3-20:4 D5 DG	110610
14:0-16:1-14:0 TG	110558
16:0-16:0-18:0 TG	110520
16:0-16:0-18:1 TG	110521
18:1-14:0-17:1 TG	110528
18:1-18:1-18:1 TG	110613

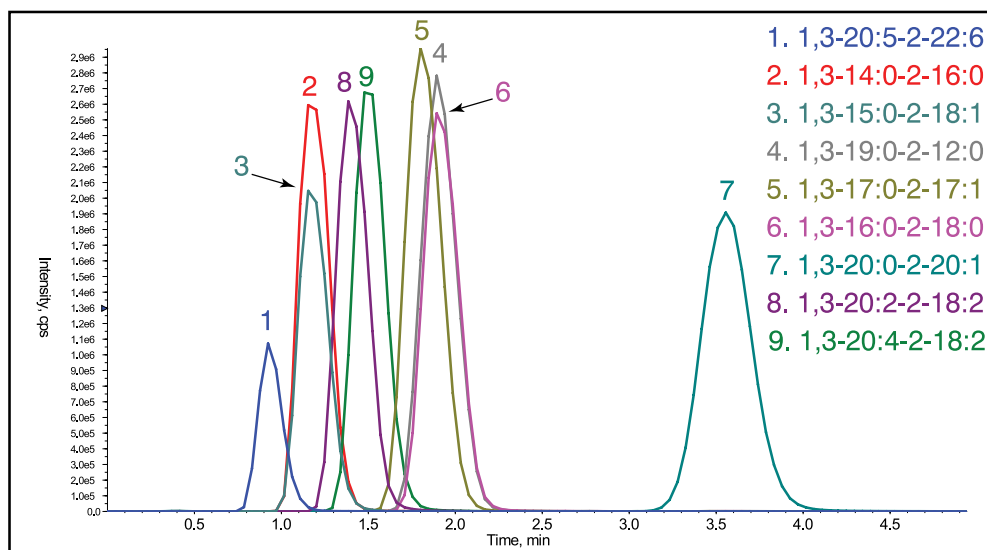
Standard	Number
1-C15-2,3-18:1 TG	110595
1-C15-18:1-20:4 TG	110598
1-C15-20:4-18:1 TG	110599
1-C18(plasm)-16:0-17:1 TG	110602
1-C18(plasm)-16:0-20:4 TG	110601
1-C18(plasm)-20:4-17:1 TG	110600
14:0-16:1-14:0 D5 TG	110541
15:0-18:1-15:0 D5 TG	110542
16:0-18:0-16:0 D5 TG	110543
17:0-17:1-17:0 D5 TG	110544
19:0-12:0-19:0 D5 TG	110545
20:0-20:1-20:0 D5 TG	110546
20:2-18:3-20:2 D5 TG	110547
20:4-18:2-20:4 D5 TG	110548
20:5-22:6-20:5 D5 TG	110549



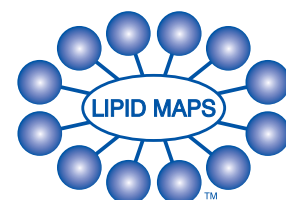
Deuterated DG
 Mixture I
 Avanti Number
 LM-6001



Deuterated DG
 Mixture II
 Avanti Number
 LM-6004

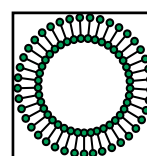


Deuterated TG
 Mixture I
 Avanti Number
 LM-6000



www.lipidmaps.org

For information about procedures and guidance in the application of these Lipid Standards visit:
www.lipidmaps.org/downloads/2007_methods_chapters.pdf
 Visit avantilipids.com for more details and ordering information.



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