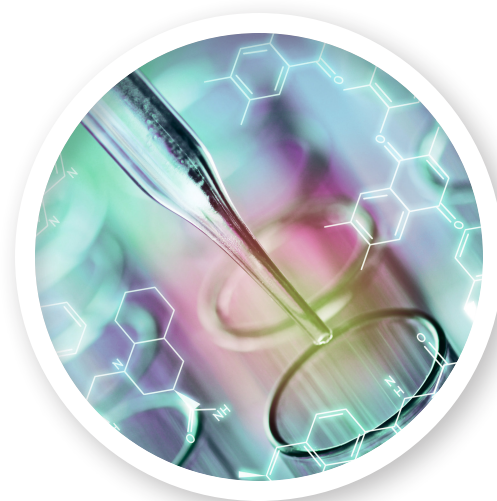




New Products

Cambridge Isotope Laboratories, Inc. is pleased to introduce the following products



Individual Standards

Amino Acids and Derivatives

Catalog No.	Description
CNLM-11110	L-Arginine-HCl (1,2,3,4,5- ¹³ C ₅ , 99%; α,ε- ¹⁵ N ₂ , 98%)
CNLM-11083	L-Lysine-α-N-Fmoc, ε-N-Fmoc (¹³ C ₆ , 99%; ¹⁵ N ₂ , 99%)
DLM-11341	L-3-O-Methyl-dopa·H ₂ O (3-OMD) (methoxy-D ₃ , 98%)
CDNLM-11149	L-Phenylalanine (4'- ¹³ C, 99%; 2,3,3,2',3',5',6'-D ₇ , 98%; ¹⁵ N, 98%)
CDNLM-12287	L-Phenylalanine (3',5'- ¹³ C ₂ , 99%; 2,3,3,2',4',6'-D ₆ , 98%; ¹⁵ N, 98%)
DLM-11082	DL-Pyroglutamic acid (3,3,4,4,5-D ₅ , 98%)
CDLM-12299	L-Serine (2- ¹³ C, 99%; 2,3,3-D ₃ , 97%) <3% D
CDNLM-11148	L-Tyrosine (3',5'- ¹³ C ₂ , 99%; 2,3,3,2',6'-D ₅ , 98%; ¹⁵ N, 98%)
CLM-11065	L-Tyrosine-N-Fmoc, O- <i>t</i> -butyl ether (¹³ C ₉ , 99%) CP 94%

Cannabinoids

Catalog No.	Description	Concentration	Unit Size
DLM-10854-1.2	Cannabichromene (CBC) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-10854	Cannabichromene (CBC) (methyl-D ₃ , 98%)	neat	Please inquire
DLM-10855-1.2	Cannabidiol (CBD) (D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-10855	Cannabidiol (CBD) (D ₃ , 98%)	neat	Please inquire
DLM-11140-1.2	Cannabidivarin (CBDV) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-11140	Cannabidivarin (CBDV) (methyl-D ₃ , 98%)	neat	Please inquire
DLM-10853-1.2	Cannabigerol (CBG) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-10853	Cannabigerol (CBG) (methyl-D ₃ , 98%)	neat	Please inquire
DLM-10847-1.2	Cannabinol (CBN) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-10847	Cannabinol (CBN) (methyl-D ₃ , 98%)	neat	Please inquire
DLM-10915-1.2	Cannabivarin (CBV) (methyl-D ₃ , 98%) CP 97%	100 µg/mL in methanol	1.2 mL
DLM-10915	Cannabivarin (CBV) (methyl-D ₃ , 98%) CP 97%	neat	Please inquire
DLM-10846-1.2	(-)-Δ ⁹ -Tetrahydrocannabinol (THC) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
DLM-10707-1.2	Tetrahydrocannabivarin (THCV) (propyl-3,3,3-D ₃ , 98%) CP 97%	100 µg/mL in methanol	1.2 mL
DLM-10707	Tetrahydrocannabivarin (THCV) (propyl-3,3,3-D ₃ , 98%) CP 97%	neat	Please inquire

CIL cannabinoid standards are excluded from or exempted under the US DEA Controlled Substances Act (CSA). International shipment restrictions may apply. Contact your local distributor or CIL customer service for more information.

*Chemical purity (CP) is 98% or greater, unless otherwise indicated.
For research use only. Not for use in diagnostic procedures.*

Continued ►

Cambridge Isotope Laboratories, Inc.

Nucleic Acids and Derivatives

Catalog No.	Description
CLM-11402-CA	Adenosine 5'-triphosphate, ammonium salt (4'- ¹³ C, 99%) (in solution) CP 95%
CLM-11403-CA	Adenosine 5'-triphosphate, ammonium salt (5'- ¹³ C, 99%) (in solution) CP 95%
CLM-11404-CA	Adenosine 5'-triphosphate, ammonium salt (1',2',3',4',5'- ¹³ C ₅ , 99%) (in solution) CP 95%
DLM-11405-CA	Adenosine 5'-triphosphate, ammonium salt (4'-D, 97%) (in solution) CP 95%
DLM-9268-CA	Adenosine 5'-triphosphate, ammonium salt (2,8-D ₂ , 98%) (in solution) CP 95%
DLM-11406-CA	Adenosine 5'-triphosphate, ammonium salt (5',5''-D ₂ , 97%) (in solution) CP 95%
DNLM-10985-CA	Adenosine 5'-triphosphate, ammonium salt (ribose-D ₆ , 98%; ¹⁵ N ₅ , 98%) (in solution) CP 95%
NLM-12312	DL-Allantoin (¹⁵ N ₄ , 98%) CP 97%
CLM-11401-CA	2'-Deoxyguanosine·H ₂ O (¹³ C ₁₀ , 99%) CP 95%
ULM-11411-CA	2-Fluoro-2'-deoxyadenosine 5'-triphosphate, ammonium salt (unlabeled) (in solution) CP 95%
ULM-11412-CA	5-Fluoro-2'-deoxycytidine 5'-triphosphate, ammonium salt (unlabeled) (in solution) CP 95%
ULM-11413-CA	5-Fluoro-2'-deoxyuridine 5'-triphosphate, ammonium salt (unlabeled) (in solution) CP 95%
DLM-11407-CA	Guanosine 5'-triphosphate, ammonium salt (3'-D, 97%) (in solution) CP 95%
DNLM-10913-CA	Guanosine 5'-triphosphate, ammonium salt (ribose-1',2',3',4',5',5''-D ₆ , 98%; ¹⁵ N ₅ , 98%) (in solution) CP 90%
NLM-8712-CA	Inosine 5'-monophosphate, ammonium salt (¹⁵ N ₄ , 98%) (in solution) CP 95%
CLM-11345-CA	Pseudouridine (¹³ C ₉ , 99%; ¹⁵ N ₂ , 98%) (in solution)
CLM-11344-CA	Pseudouridine 5'-monophosphate, ammonium salt (¹³ C ₉ , 99%; ¹⁵ N ₂ , 98%) (in solution)
CLM-11348-CA	1-Ribosyl-5-aminoimidazole-4-carboxamide (acadesine) (ribose- ¹³ C ₅ , 99%)
DLM-11408-CA	Uridine (5-D, 97%) (in solution) CP 95%
CDLM-11409-CA	Uridine (5-D, 97%; 1',2',3',4',5'- ¹³ C ₅ , 99%) (in solution) CP 95%
CDNLM-11410-CA	Uridine (2,4,5,6- ¹³ C ₄ , 99%; 5-D, 97%; 1,3- ¹⁵ N ₂ , 98%) (in solution) CP 95%
DNLM-10986-CA	Uridine 5'-triphosphate, ammonium salt (ribose-D ₆ , 98%; uracil- ¹⁵ N ₂ , 98%) (in solution) CP 95%
CLM-8700-CA	Xanthosine-5'-monophosphate, ammonium salt (¹³ C ₁₀ , 99%) (in solution) CP 95%

Organic Acids

Catalog No.	Description
CLM-11066	<i>cis</i> -Aconitic acid, tripotassium salt (¹³ C ₆ , 95%) CP 95%
CLM-12282	Isocitric acid, trisodium salt hydrate (3,4,5,6- ¹³ C ₄ , 98%) mixture of diastereomers
DLM-12302	Creatine·H ₂ O (<i>N</i> -methyl-D ₃ ; glycine-2,2-D ₂ , 99%)

Other Standards

Catalog No.	Description	Concentration	Class
CLM-11041	4-(aminobutyl)Guanidine sulfate (butyl- ¹³ C ₄ , 98%) CP 95%	neat	Neurotransmitter
NEX-CRP-N	Human C-reactive protein (CRP) (¹⁵ N, 98%)	neat	Protein
NEX-CRP-N-D	Human C-reactive protein (CRP) (¹⁵ N, 98%) denatured	neat	Protein
CLM-11289	Palmitic acid, methyl ester (1,2,3,4- ¹³ C ₄ , 99%)	neat	Fatty acid
DLM-11086	Triheptanoin (tris(heptanoyl-7,7,7)-D ₉ , 98%)	neat	Lipid

Steroids/Hormones and Derivatives

Catalog No.	Description
DLM-11248	11-keto-Androstenedione (11-KA4) (D ₁₀ , 98%) CP 95%
DLM-11414	21-Deoxycortisol (9,11,11,12-D ₄ , 98%) CP 95%
CLM-11416	Epitestosterone (2,3,4- ¹³ C ₃ , 98%) CP 95%
CLM-11415	7 α -Hydroxy-4-cholesten-3-one (23,24,25,26,27- ¹³ C ₅ , 98%) CP 95%
DLM-11249	4-Pregnen-21-ol-3,20-dione (11-DB) (2,2,6,6,17,21,21-D ₇ , 96%)

Unlabeled standards
may be available;
please inquire.

Chemical purity (CP) is 98% or greater, unless otherwise indicated.
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Vitamins

Catalog No.	Description
CLM-12291-A	1,25-Dihydroxyvitamin D2 (25,26,27- ¹³ C ₃ , 98%) CP 95%
CLM-11417	1,25-Dihydroxyvitamin D2 (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%
CLM-12292-A	1,25-Dihydroxyvitamin D3 (25,26,27- ¹³ C ₃ , 98%) CP 95%
CLM-11418	3- <i>epi</i> -25-Hydroxyvitamin D2 (22,26,27- ¹³ C ₃ , 98%) CP 95%
CLM-11419	3- <i>epi</i> -25-Hydroxyvitamin D2 (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%
CLM-11420	24R,25-Dihydroxyvitamin D3 (23,24,25,26,27- ¹³ C ₅ , 98%) CP 95%
CLM-11421	25-Hydroxyvitamin D2 (22,26,27- ¹³ C ₃ , 98%) CP 95%
CLM-11422	25-Hydroxyvitamin D2 (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%
DLM-11423	25-Hydroxyvitamin D3 (26,26,26,27,27- ¹³ C ₆ , 98%) CP 95%
DLM-11047	Vitamin E succinate (tocopherol succinate) (5-methyl-D ₃ , 7-methyl-D ₃ , 98%) CP 95%

Mixtures, Sets, and Kits

Mixtures

Catalog No.	Description	Unit Size
NSK-AA3	3-Plex Amino Acid Standard Mix	1 vial
NSK-AA3-10X	3-Plex Amino Acid Standard Mix (10X)	1 vial
MSK-BA1	Bile Acid Standard Mix 1 – Unconjugated	1 vial
MSK-BA2	Bile Acid Standard Mix 2 – Conjugated	1 vial
NSK-S-EXP	Expanded Steroid Mix Set S	1 vial, 10 vials
MSK-MET1	Metabolomics Standard Mix 1	1 vial
MSK-TCA1	TCA Cycle Standard Mix 1	1 vial
MSK-TCA2	TCA Cycle Standard Mix 2	1 vial

Sets

Catalog No.	Description	Unit Size
SILAC-2PLEX	2-Plex SILAC Amino Acid Standards	1 vial each
SILAC-3PLEX	3-Plex SILAC Amino Acid Standards	1 vial each
MSK-TCA	TCA Cycle Standard Mix Sets 1 and 2	2 × 1 vials

Kits

Catalog No.	Description	Unit Size
BAK-A6490-270	Expanded PeptiQuant™ Plus Human Plasma Proteomics Kit for Agilent 6490 QqQ and 1290 UPLC	1 kit
BAK-A6495-270	Expanded PeptiQuant™ Plus Human Plasma Proteomics Kit for Agilent 6495 QqQ and 1290 UPLC	1 kit
BAK-QE-270	Expanded PeptiQuant™ Plus Human Plasma Proteomics Kit for Thermo Scientific™ Q Exactive™ Plus and 1290 UPLC	1 kit
BAK-SC6500-270	Expanded PeptiQuant™ Plus Human Plasma Proteomics Kit for SCIEX QTRAP® 6500 and 1290 UPLC	1 kit
ISO1-KIT	Metabolite Yeast Extract Kit	1 kit
L-ISO1	Crude Lipid Yeast Extract (U- ¹³ C, 99%)	1 kit

Example BAK-270 References

Percy, A.J.; Borchers, C.H. **2021**. Detailed method for performing the ExSTA approach in quantitative bottom-up plasma proteomics. *Methods Mol Biol*, 2228, 353-384.

Gaither, C.; Popp, R.; Mohammed, Y.; et al. **2020**. Determination of the concentration range for 267 proteins from 21 lots of commercial human plasma using highly multiplexed multiple reaction monitoring mass spectrometry. *Analyst*, 145(10), 3634-3644.

Bhardwaj, M.; Weigl, K.; Tikk, K.; et al. **2020**. Multiplex quantitation of 270 plasma protein markers to identify a signature for early detection of colorectal cancer. *J Cancer*, 127, 30-40.

Example ISO1-KIT Reference

Rampler, E.; Hermann, G.; Grabmann, G.; et al. **2021**. Benchmarking non-targeted metabolomics using yeast-derived libraries. *Metabolites*, 11(3), 160-179.

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