# Stable Isotope Products for Clinical Mass Spectrometry

CIL is pleased to announce the following NEW products!

## Heavy-Labeled Proteins

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NLM-9539</td>
<td>Human Apolipoprotein A-1 (15N, 98%) 2 mg/mL in PBS, pH 7.4, CP &gt;90%</td>
</tr>
<tr>
<td>CNLM-9513</td>
<td>Human IGF-1 (arg-13C6,15N4, 99%; lys-13C6, 15N2, 99%) 10 µg/mL in sodium phosphate buffer, stabilized w/trehalose</td>
</tr>
</tbody>
</table>

## PeptiQuant™ MRM Assay Kits

<table>
<thead>
<tr>
<th>Kit Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCMSP-M-*</td>
<td>LC-MRM/MS Peptiquant™ Platform Performance Monthly Use Kit available for the Agilent 6490/UPLC 1290, Agilent 6495/UPLC 1290, AB SCIEX 4000 QTRAP® System, and AB SCIEX 6500 QTRAP® System</td>
</tr>
<tr>
<td>WFPK-*</td>
<td>LC-MRM/MS Peptiquant™ Workflow Performance Kit available for the Agilent 6490/UPLC 1290, Agilent 6495/UPLC 1290, AB SCIEX 4000 QTRAP® System, and AB SCIEX 6500 QTRAP® System</td>
</tr>
<tr>
<td>LCMSP-D-*</td>
<td>LC-MRM/MS Peptiquant™ Platform Performance Daily Use Kit available for the Agilent 6490/UPLC 1290, Agilent 6495/UPLC 1290, AB SCIEX 4000 QTRAP® System, and AB SCIEX 6500 QTRAP® System</td>
</tr>
<tr>
<td>BAK-*</td>
<td>Peptiquant™ Biomarker Assessment Kit For 76 Proteins available for the Agilent 6490/UPLC 1290 and Agilent 6495/UPLC 1290</td>
</tr>
</tbody>
</table>

*Second part of catalog number reflects specific LC/MS system and supply.*

## Preloaded Resins for Peptide Synthesis

<table>
<thead>
<tr>
<th>Resin Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRPR-ARG-CN</td>
<td>L-Arginine (Pbf) (13C6, 99%; 15N4, 99%) – 2-CITrt resin</td>
</tr>
<tr>
<td>SRPR-lys-CN</td>
<td>L-Lysine (BOC) (13C6, 99%; 15N2, 99%) – 2 CITrt resin</td>
</tr>
</tbody>
</table>

## Glycan Tagging Kit

<table>
<thead>
<tr>
<th>Kit Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTK-1000</td>
<td>INLIGHT® Glycan Tagging Kit</td>
</tr>
</tbody>
</table>

## Amino Acids

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDLM-9289</td>
<td>L-Methionine (methyl-13C, 99%; methyl-D3, 98%)</td>
</tr>
</tbody>
</table>

## Carbohydrates

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLM-9601</td>
<td>2-Deoxy-D-glucose-6-phosphate, disodium salt (6-13C, 99%)</td>
</tr>
<tr>
<td>CLM-9605</td>
<td>Fucose (U-13C6, 99%)</td>
</tr>
</tbody>
</table>

## Fatty Acids and Lipids

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLM-9466</td>
<td>Heptanoic acid, N-butyl ester (14C, 99%)</td>
</tr>
<tr>
<td>CLM-7896</td>
<td>Palmitic acid (1,2,3,4-13C4, 99%)</td>
</tr>
<tr>
<td>CLM-9617</td>
<td>Sodium octanoate (14C, 99%)</td>
</tr>
<tr>
<td>ULM-9581</td>
<td>N-Oleoyl-D-sphingosine (ceramide d18:1/18:1 (9Z)) (unlabeled) CP 95%</td>
</tr>
<tr>
<td>CLM-9583</td>
<td>N-Oleoyl-D-sphingosine (ceramide d18:1/18:1 (9Z)) (oleyl-13C18, 99%) CP 95%</td>
</tr>
<tr>
<td>ULM-9580</td>
<td>N-Palmitoyl-D-sphingosine (ceramide d18:1/16:0) (unlabeled) CP 95%</td>
</tr>
<tr>
<td>CLM-9582</td>
<td>N-Palmitoyl-D-sphingosine (ceramide d18:1/16:0) (palmitoyl-13C16, 99%) CP 95%</td>
</tr>
<tr>
<td>ULM-9579</td>
<td>Sphingosine (unlabeled) CP 95%</td>
</tr>
<tr>
<td>DLM-9462</td>
<td>Tripalmitin (trispalmitoyl-D93, 98%)</td>
</tr>
<tr>
<td>CLM-9468</td>
<td>Tripalmitin (1,1,1,2,2,2,3,3,4,4,4-13C12, 99%)</td>
</tr>
</tbody>
</table>

## Metabolomics Standard Sets

<table>
<thead>
<tr>
<th>Set Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSK-A2</td>
<td>Metabolomics amino acid mix standard contains 17 amino acids (all 13C/15N labeled)</td>
</tr>
</tbody>
</table>

## MS/MS Standards

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSK-A-US</td>
<td>Unlabeled standard for amino acid standards</td>
</tr>
<tr>
<td>NSK-B-US</td>
<td>Unlabeled standard for carnitine standards</td>
</tr>
<tr>
<td>NSK-B-G1-US</td>
<td>Unlabeled standard for carnitine standards (supplemental)</td>
</tr>
<tr>
<td>NSK-S-CAH</td>
<td>Labeled steroid CAH set S</td>
</tr>
<tr>
<td>NSK-S-CAH-40X</td>
<td>Labeled steroid CAH set S 40x concentration</td>
</tr>
</tbody>
</table>
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telephone: +1.978.749.8000
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Sterols

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLM-9587</td>
<td>Cholesterol (23,24,25,26,27-13C5, 99%)</td>
</tr>
<tr>
<td>DLM-9503</td>
<td>Stigmastanol (2,2,3,4,4-D5, 98%)</td>
</tr>
</tbody>
</table>

Other Metabolites

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDLM-9405</td>
<td>Acetyl coenzyme A (acetyl-13C2, 98%; acetyl-D3, 98%)</td>
</tr>
<tr>
<td>CLM-9597</td>
<td>6-Hydroxynicotinic acid (13C6, 99%)</td>
</tr>
<tr>
<td>CLM-4555</td>
<td>NNK (1,2’,3’,4’,5’,6-13C6, 99%)</td>
</tr>
<tr>
<td></td>
<td>100 µg/mL in nonane:ethanol (9:1)</td>
</tr>
<tr>
<td>CLM-4556</td>
<td>NNA (1,2’,3’,4’,5’,6-13C6, 99%)</td>
</tr>
<tr>
<td></td>
<td>100 µg/mL in acetonitrile</td>
</tr>
<tr>
<td>CLM-4557</td>
<td>NNN (2,2’,3,4,5,6-13C6, 99%)</td>
</tr>
<tr>
<td></td>
<td>100 µg/mL in nonane:ethanol (9:1)</td>
</tr>
<tr>
<td>CLM-6705</td>
<td>NAB (nitrosoanabasine) (13C6, 99%)</td>
</tr>
<tr>
<td></td>
<td>100 µg/mL in acetonitrile</td>
</tr>
<tr>
<td>CLM-6704</td>
<td>NAT (nitrosoanatabine) (13C6, 99%)</td>
</tr>
<tr>
<td></td>
<td>100 µg/mL in acetonitrile</td>
</tr>
<tr>
<td>DLM-9662</td>
<td>Pyrrolidine (2,2,3,4,4,5,5-D8, 98%)</td>
</tr>
<tr>
<td>CLM-9505</td>
<td>Pyruvic acid (1,2-13C2, 99%)</td>
</tr>
</tbody>
</table>

CIL has a broad portfolio of isotopically labeled compounds ranging from small metabolites to complex biomolecules, including:
- Amino acids
- Carbohydrates
- Cell growth media
- Contaminant standards for environmental, food/water, and human exposure analysis
- Fatty acids and lipids
- Nucleic acids
- Organic acids
- Proteins
- SILAC products and kits
- Steroids and hormones
- Vitamins

Coming soon!

Please visit isotope.com for a complete listing of products.

Products of interest:
- PeptiQuant™ MRM Assay Kits
- Heavy-labeled proteins
- SILAC reagents
- Metabolomics reagents

Please visit tinyurl.com/kyufb36 for more information.