Absolute\textsuperscript{IDQ}\textsuperscript{®} Vitamin D Internal Standard
for (U)HPLC-MS/MS calibrators of vitamin D metabolites, dried
Order no. 9120052120783

\textbf{Intended use}
As internal standard for the Absolute\textsuperscript{IDQ}\textsuperscript{®} Vitamin D, isotopically labeled 25-hydroxyvitamin D\textsubscript{3} is designed for external calibration of (U)HPLC-MS/MS-based quantifying assays. It is optimized for supported liquid extraction (SLE) based sample preparation in combination with the use of the Absolute\textsuperscript{IDQ}\textsuperscript{®} Vitamin D.
For research purposes only.

\textbf{Reconstitution}
Reconstitute the dried content of the vial with 1200 \(\mu\)L methanol, close the vial and shake for 5 min minutes at 500 rpm.

\textbf{Storage and Stability}
When stored below -18 °C the unopened internal standard is stable for at least 3 months. Stored below -70 °C the unopened internal standard is stable until the expiry date (see next page). The reconstituted internal standard can be stored at -18 °C up to 1 month.

\textbf{Notes}
The concentration of the internal standard was optimized to provide valid results for human serum samples. It is recommended to use 10 \(\mu\)L of the internal standard solution in combination with 50 \(\mu\)L serum sample volume.
Absolute\textsuperscript{IDQ}\textsuperscript{®} Vitamin D Internal Standards are produced under strict quality control procedures.

\textbf{Pack Size}
Internal Standard 2 x 1.8 \(\mu\)g

\textbf{Precautions}
Handle the resuspended standard with caution due to the high methanol content.

\textbf{Concentration}
Absolute\textsuperscript{IDQ}\textsuperscript{®} Vitamin D Internal Standard.

<table>
<thead>
<tr>
<th>No.</th>
<th>ISTD</th>
<th>Concentration [ng/ml]</th>
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<tbody>
<tr>
<td>1</td>
<td>(d_3)-25-hydroxyvitamin D\textsubscript{3}</td>
<td>1500</td>
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</tbody>
</table>
Technique of Analysis
Absolute IDQ® Vitamin D, (U)HPLC-MS/MS

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