Melatonin Analysis

Brief Description:
Melatonin can be detected and quantified in liquid biological samples such as serum. The prepared samples are separated on a Water’s Xbridge C8 phase HPLC column and detected using our Agilent 6460 triple quadrupole mass spectrometer in MRM mode. The run time is approximately 12 minutes per sample. Data are collected in positive electrospray ionization modes. Data are typically normalized to sample volume used for extraction.

Normal Weight: serum (200-1000 µL)
Minimal Weight: serum (200 µL)

Special Handling: Samples should remain frozen at -80°C and in darkness prior to analysis if possible

References:

Table I: Analytes (1) reported

<table>
<thead>
<tr>
<th>Compound Name</th>
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</thead>
<tbody>
<tr>
<td>Melatonin</td>
<td>analyte</td>
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<tr>
<td>Melatonin-d4</td>
<td>internal standard</td>
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</tbody>
</table>