# ADVIA Centaur C-Peptide Assay Specifications

**ADVIA Centaur — Maximizing Satisfaction**

- Optimal productivity up to 240 tests per hour
- Comprehensive disease state menu includes Anemia, Cardiovascular, Diabetes, Fertility, Infectious Disease, Metabolic, Oncology, TDMs, and Thyroid

For in vitro diagnostic use in the quantitative determination of C-Peptide in serum or urine using the ADVIA Centaur® CP and XP systems. This assay can be used to aid in the diagnosis and treatment of patients with abnormal insulin secretion, including diabetes mellitus.

The ADVIA Centaur C-Peptide assay is a two-site sandwich immunoassay using direct chemiluminescent technology, which uses constant amounts of two antibodies. The first antibody, in the Lite Reagent, is a monoclonal mouse Anti-C-Peptide antibody labeled with acridium ester. The second antibody, in the Solid Phase, is a monoclonal mouse Anti-C-Peptide antibody, which is covalently coupled to paramagnetic particles.

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## Excellent Agreement Across Systems

### Serum

![Graph showing excellent agreement across systems for serum.](image)

**Equation:**

\[
\text{ADVIA Centaur CP} = 0.99 \times \text{ADVIA Centaur} - 0.27 \text{ ng/ml}
\]

\(n=346, r=0.98\)

### Urine

![Graph showing excellent agreement across systems for urine.](image)

**Equation:**

\[
\text{ADVIA Centaur CP} = 0.98 \times \text{ADVIA Centaur} + 0.37 \text{ ng/ml}
\]

\(n=363, r=0.98\)

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**Proinsulin is the precursor of Insulin and C-Peptide**

- Proinsulin
- Carboxypeptidases and Proconvertases
- Free C-peptide

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**ADVIA Centaur—Maximizing Satisfaction**

Answers for life.
ADVIA Centaur C-Peptide Assay Specifications

C-Peptide Performance Summary

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Sample Type</th>
<th>Sample Volume</th>
<th>Assay Range</th>
<th>Analytical Sensitivity</th>
<th>Calibration Interval</th>
<th>Onboard Stability</th>
<th>Time to First Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADVIA Centaur XP</td>
<td>Serum</td>
<td>50µL</td>
<td>0.05–30 ng/mL</td>
<td>0.05 ng/mL</td>
<td>14 days</td>
<td>28 days</td>
<td>18 minutes</td>
</tr>
<tr>
<td></td>
<td>Urine</td>
<td>50µL</td>
<td>0.50–300 ng/mL</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ADVIA Centaur CP</td>
<td>Serum</td>
<td>50µL</td>
<td>0.05–30 ng/mL</td>
<td>0.05 ng/mL</td>
<td>42 days</td>
<td>42 days</td>
<td>15 minutes</td>
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<tr>
<td></td>
<td>Urine</td>
<td>50µL</td>
<td>0.50–300 ng/mL</td>
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<td></td>
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</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>03649928</td>
<td>1 ReadyPack primary reagent pack containing ADVIA Centaur CpS Lite Reagent and Solid Phase ADVIA Centaur and ADVIA Centaur CP CpS Master Curve card</td>
<td>100 Tests</td>
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<tr>
<td>03276056</td>
<td>CpS Calibrator</td>
<td>2 vials of low calibrator 2 vials of high calibrator</td>
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<tr>
<td>05440554</td>
<td>ADVIA Centaur Multi-Diluent 10</td>
<td>2 ReadyPack ancillary reagent packs containing 5 mL/pack</td>
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<td>04302166</td>
<td>Multi-Diluent 10</td>
<td>10 mL/vial</td>
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<tr>
<td>07642456</td>
<td>Ligand Plus 1,2,3 quality control material</td>
<td>5 x 5 mL</td>
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<td>07377973</td>
<td>Ligand Plus 1,2,3 barcode labels</td>
<td>60/level</td>
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<tr>
<td>129023</td>
<td>CpS Master Curve Material</td>
<td>10 x 1 mL</td>
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</table>

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