ALPHA 1–ACID GLYCOPROTEIN (AAGX) FOR THE UniCel DxC SYNCHRON CLINICAL SYSTEMS

The alpha 1-Acid Glycoprotein reagent is intended for the quantitative determination of alpha 1-Acid Glycoprotein in serum and plasma using the Beckman Coulter UniCel DxC Synchron Clinical Systems.

Alpha 1-Acid Glycoprotein, or orosomucoid, is an acute phase protein. The plasma concentration of alpha 1-Acid Glycoprotein increases in response to inflammation. As a consequence, alpha 1-Acid Glycoprotein concentrations vary in many physiological states (age and pregnancy) and pathological conditions such as liver cirrhosis, renal disease, and cancer. The level of alpha 1-Acid Glycoprotein can be used to differentiate between acute phase reactions (elevated serum level) and estrogen effects (normal or decreased serum level).

Acute phase proteins are sensitive early indicators of inflammation. Measurement of acute phase proteins demonstrates the presence of inflammation prior to clinical indications and aids in establishing the timing of the inflammatory response.

INCREASED EFFICIENCY FROM START TO FINISH

› All liquid and ready to use
› Analytical sensitivity of 30 mg/dL
› Automatic onboard sample dilution
› ORDAC feature available to increase the measuring range
› 28-Day onboard stability
**ALPHA 1-ACID GLYCOPROTEIN (AAGX)**

**Precision**

Properly operating UniCel DxC systems should exhibit precision values comparable to the following:

<table>
<thead>
<tr>
<th></th>
<th>Mean (mg/dL)</th>
<th>SD (mg/dL)</th>
<th>CV%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Level 1</strong></td>
<td>39.5</td>
<td>1.54</td>
<td>3.9</td>
</tr>
<tr>
<td><strong>Level 2</strong></td>
<td>119.5</td>
<td>2.48</td>
<td>2.1</td>
</tr>
</tbody>
</table>

**Linearity**

AAGX is linear in the routine measuring range (30-300 mg/dL) for the UniCel DxC. Results below are representative data.

**CHARACTERISTICS**

- **Sample Type**: Serum or plasma
- **Analytical Sensitivity**: 30 mg/dL
- **Traceability**: ERM-DA 470
- **Measuring Range**
  - Routine: 30 - 300 mg/dL
  - ORDAC: 250 - 600 mg/dL
- **Open Pack (Onboard) Stability**: 28 days
- **Prozone Effect**: No prozone up to 1400 mg/dL
- **Equivalency**
  - (LX20 vs. IMMAGE)†
    - \(N = 60, r = 0.991, y = 1.06x + 0.58\)
- **Calibration Stability**: 14 days
- **Precision**
  - <6% at concentrations ≥50 mg/dL and
  - <8% (SD <4 mg/dL) at concentrations <50 mg/dL

† Equivalency between the Synchron LX and UniCel DxC 600/800 Systems has been established. Chemistry results between these systems are in agreement.

**ORDERING INFORMATION**

- **Reagent Kit (300 tests)**: A26838
- **Plasmaproteins Cal 3x**: A26854
- **Immuno Control Set (2 levels)***: A26852
- **Diluent 1**: 467826

**EXPANDED INFLAMMATION MENU OFFERING:**

alpha 1-Acid Glycoprotein**
Alpha 1 Antitrypsin*
Ceruloplasmin**
Complement 3
Complement 4
C-Reactive Protein
Haptoglobin

To learn more about Beckman Coulter’s comprehensive Chemistry offering, visit [www.beckmancoulter.com/chemistry](http://www.beckmancoulter.com/chemistry).


* Available outside the U.S.

** User-defined reagent

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