Procollagen-III-peptide (PIIINP) ELISA kit

Interest in any of the products, request or order them at Bio-Connect Diagnostics.
Procollagen III N-terminal Propeptide (PIIIINP) is released from the precursor peptide during the synthesis and deposition of Type III Collagen. N Terminal procollagen III peptide appears to be of clinical value in the evaluation and assessment of fibrosis disorders:

- Liver: hepatitis, liver cirrhosis, non-alcoholic fatty liver disease (NAFLD) \(^\text{(1)}\), Psoriasis liver-toxicity of Methotrexate \(^\text{(2)}\).
- Cardiac: heart failure, hypertension \(^\text{(3)}\), myocardial infarction \(^\text{(4)}\).

Simple and robust P3NP-ELISA kit is suited for in vitro diagnostic routine tests.

N TERMINAL PROCOLLAGEN III PEPTIDE

**P3NP-ELISA**

- Good reproducibility thanks to monoclonal antibodies
- Robust, Sensitive, Highly Specific Assay
- Automation-friendly

---

\(^\text{(1)}\) Tanwar S, et al. Hepatology 2013 57:1(103-111)

\(^\text{(2)}\) Pathirana Detal. JEADV.2009; 23:2 (5-70)


SPECIFICATIONS
Sandwich assay with monoclonal antibodies
Sample: serum or plasma
Low sample volume: 30 µl
One-step incubation: 3h
Large dynamic range: 0.036-30 µg/L
LOD: 0.036 µg/L
LOQ (12.5%): 2.2 µg/L

The equivalence of the concentration reported by the RIA-gnost® PIIIP assay with respect to µg/L units was obtained by multiplying the results from the RIA kit (U/mL) by a factor of 8 to obtain µg/L as described in the RIA-gnost® PIIIP kit instructions. A Passing-Bablok regression analysis was applied to these samples, yielding the following equation:

\[ [\text{P3NP-ELISA} \ (\mu g/L)] = 0.94 \times [\text{RIA-gnost}^\text{®} \text{PIIIP}] (\mu g/L) + 1.12 \ \mu g/L \]

ADULT NORMAL VALUES

<table>
<thead>
<tr>
<th>N</th>
<th>MEAN µG/L</th>
<th>MED µG/L</th>
<th>5. PERC. µG/L</th>
<th>95. PERC. µG/L</th>
<th>MIN µG/L</th>
<th>MAX µG/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 (PLASMA EDTA)</td>
<td>4.9</td>
<td>4.6</td>
<td>2.9</td>
<td>8.1</td>
<td>2.1</td>
<td>13.1</td>
</tr>
</tbody>
</table>

No significative difference are measured between serum and plasma EDTA.

Plasma EDTA (µg/L) = 0.997 x Serum (µg/L) - 0.13 µg/L, n=39, r=0.99

PRECISION

WITHIN-RUN VARIATION N=31

<table>
<thead>
<tr>
<th>Sample</th>
<th>Mean value (µg/L)</th>
<th>CV (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5.2</td>
<td>2.2</td>
</tr>
<tr>
<td>2</td>
<td>13.4</td>
<td>2.4</td>
</tr>
<tr>
<td>3</td>
<td>25.5</td>
<td>3.6</td>
</tr>
</tbody>
</table>

BETWEEN RUN VARIATION N=8

<table>
<thead>
<tr>
<th>Sample</th>
<th>Mean value (µg/L)</th>
<th>CV (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5.3</td>
<td>6.5</td>
</tr>
<tr>
<td>2</td>
<td>13.1</td>
<td>8.0</td>
</tr>
<tr>
<td>3</td>
<td>25.0</td>
<td>7.3</td>
</tr>
</tbody>
</table>

Good precision of the assay for reducing the intra laboratory variability.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>TESTS</th>
<th>PART#</th>
</tr>
</thead>
<tbody>
<tr>
<td>N TERMINAL PROCOLLAGEN III PEPTIDE (RUO)</td>
<td>96</td>
<td>P3NP-EL-US</td>
</tr>
<tr>
<td>N TERMINAL PROCOLLAGEN III PEPTIDE (CE)</td>
<td>96</td>
<td>P3NP-ELISA</td>
</tr>
</tbody>
</table>

INTERACTION IS EVERYTHING

From the chemistry of our assays to the collaborative nature of our relationship with customers, Cisbio is founded on the belief that “interaction is everything”. Talk to us. And discover a partner dedicated to providing exactly what you need:

- Convenient ready-to-use kits
- Expert technical support

FOR MORE INFORMATION
Cisbio Bioassays - Parc Marcel Boiteux, BP 84175, 30200 Codolet - France
Phone +33 169 857 253 or +33 169 857 546 Hotline: +33 466 796 787 iva@cisbio.com www.cisbio.com