Code: RK-770CT 100 tubes
Radioimmunoassay for the quantitative in vitro determination of human Chorionic Gonadotrophin (hCG) in human serum.

**ESSENTIALS**

- *Simple format, coated tube assay*
- *One step procedure*
- *Rapid turnover*
- *Calibration to WHO 4th IRP 75/589*

**THEORY IN PICTURES**

Competition between unlabelled hCG and $^{125}$I-labelled hCG for a limited number of binding sites on hCG specific antibody.

**FLOW CHART**

Add to coated tubes:
- 25 µL calibrator/control/sample
- 500 µL tracer
- 500 µL antiserum

1 h incubation at RT with shaking

ISO 13485
**hCG RIA**

**PERFORMANCE PARAMETERS**

Sample volume: 25 µL  
Standard range: 0 – 250 IU/mL  
Calibration: WHO 4th IRP 75/589  
Analytical sensitivity: 1.25 IU/mL  

*Expected values in the second trimester of pregnancy:*

**METHOD COMPARISON**

<table>
<thead>
<tr>
<th>Pregnancy Week</th>
<th>N</th>
<th>Median (IU/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>1013</td>
<td>36.44</td>
</tr>
<tr>
<td>16</td>
<td>913</td>
<td>28.1</td>
</tr>
<tr>
<td>17</td>
<td>123</td>
<td>23.5</td>
</tr>
</tbody>
</table>

\[ y = 0.8431x + 2.4431 \]

\[ R^2 = 0.9375 \]

\[ n = 87 \]