Microalbumin
FOR THE QUANTITATIVE MEASUREMENT OF LOW CONCENTRATIONS OF ALBUMIN

METHOD: IMMUNOTURBIDIMETRIC; ENDPOINT

Microalbumin measurements are used as an aid to monitor and diagnose kidney disorders.

Sekisui’s Microalbumin assay method uses an immunoturbidimetric format which provides the sensitivity required for accurate measurement of low concentrations of albumin in urine.

**Features:**

- Two part ready to use stable liquid
- Applicable to multiple chemistry platforms

**Benefits:**

- Easy to use, no additional preparation required
- Flexible laboratory testing

**Performance Characteristics**

**Precision**
- Within-Run: ≤4.8%
- Total Precision: ≤6.0%

**Accuracy**
- Slope: 0.949
- Intercept: 0.4 mg/L (0.04 mg/dL)
- Correlation Coefficient: 0.9981

**Linearity**
- 5 - 300 mg/L (0.5 - 30.0 mg/dL)

**No Significant Interferences Up to Levels Indicated**
- Hemoglobin: 400 mg/dL (62 μmol/L)
- Bilirubin: 4 mg/dL (68.4 μmol/L)

**Reference Range**

<table>
<thead>
<tr>
<th>URINE</th>
<th>24 H COLLECTION (mg/24 h)</th>
<th>TIMED COLLECTION (μg/min)</th>
<th>SPOT COLLECTION (μg/mg Creatinine)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>&lt; 30</td>
<td>&lt; 20</td>
<td>&lt; 30</td>
</tr>
<tr>
<td>Moderately increased</td>
<td>30-299</td>
<td>20-199</td>
<td>30-299</td>
</tr>
<tr>
<td>Clinical Albuminuria</td>
<td>≥ 300</td>
<td>≥ 200</td>
<td>≥ 300</td>
</tr>
</tbody>
</table>

(a) The performance of this method (y) was compared with the performance of a similar method (x) on a Roche/Hitachi® analyzer.
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<table>
<thead>
<tr>
<th>Configuration</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microalbumin R1 4 x 20mL</td>
<td>252-20</td>
</tr>
<tr>
<td></td>
<td>R2 2 x 10mL</td>
</tr>
<tr>
<td>Microalbumin Calibration Material</td>
<td>SE-252</td>
</tr>
<tr>
<td></td>
<td>6 x 1mL</td>
</tr>
</tbody>
</table>