Heart-type Fatty Acid-Binding Protein (H-FABP) Assay

An ACS biomarker suitable for use on routine analysers
Heart-type fatty acid-binding protein (H-FABP) is a sensitive and specific biomarker of myocardial ischemia. H-FABP adds significant diagnostic and prognostic value when used in combination with Troponin or High Sensitivity Troponin.

**Automated assay for H-FABP**

Randox can provide a rapid immunoturbidimetric (IT) assay for the quantitative determination of H-FABP in serum and plasma. The fully automated assay is suitable for use on a wide range of analysers, with results obtained in fourteen minutes.

**What is H-FABP?**

- A small cytoplasmic protein (15kDa – significantly smaller than TnI, TnT, CK-MB & Myo)
- Transports fatty acids from cell membrane to mitochondria for oxidation
- H-FABP is 20 times more cardiac specific than Myoglobin
- Released as early as 30 minutes after an ischemic episode

**References**

H-FABP predicts mortality after ACS

- H-FABP, taken 12-24 hours after admission, can identify Troponin-negative ACS patients who are at long-term risk of death
- H-FABP identifies a very high risk group of patients who warrant further investigation & possible intervention
- Conversely, some ACS patients undergo angiography based on a false positive Troponin level. The addition of H-FABP to Troponin measurement could avoid unnecessary investigations caused by false positives.

The Randox H-FABP immunoturbimetric assay

- Suitable for use on a wide range of analysers including the RX series from Randox
- Fully quantitative determination of H-FABP in serum within 14 minutes
- Highly sensitive - <2.9 ng/ml
- Linearity up to 120.0 ng/ml
- Excellent precision

<table>
<thead>
<tr>
<th>Description</th>
<th>Method</th>
<th>Size</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-FABP</td>
<td>Immunoturbidimetric</td>
<td>100 Tests</td>
<td>FB4025</td>
</tr>
<tr>
<td>H-FABP Control Level 1</td>
<td></td>
<td>3 x 1ml</td>
<td>FB4026</td>
</tr>
<tr>
<td>H-FABP Control Level 2</td>
<td></td>
<td>3 x 1ml</td>
<td>FB4027</td>
</tr>
<tr>
<td>H-FABP Calibrator Set</td>
<td></td>
<td>6 x 1ml</td>
<td>FB3134</td>
</tr>
</tbody>
</table>