The ARK™ Methotrexate Assay is intended for the quantitative determination of methotrexate in human serum or plasma on automated clinical chemistry analysers.

The accurate measurement obtained, from 0.05 to 1.2 \( \mu \text{mol/l} \), enables patient monitoring to help ensure appropriate therapy in accordance with Guidelines for Methotrexate therapy\(^1\,\,\,2\).

- Homogeneous enzyme immunoassay
- Minimal cross-reactivity with major metabolite 7-hydroxymethotrexate (\(\leq 0.07\%\))
- Liquid stable, ready to use reagents
- Choice of control ranges available
- Easy to automate - range of protocols available
- Cobas convenience pack available for c501/c502

**Calibration range:**
0.05 to 1.2 \( \mu \text{mol/l} \)

**LOQ:** 0.04 \( \mu \text{mol/L} \)
**LOD:** 0.02 \( \mu \text{mol/L} \)
ARK™ Methotrexate Assay
Excellent Precision at Low Levels

Linearity

![Graph showing linearity](image)

ARK™ Methotrexate Assay Measurement Range: 0.04 - 1.20 µmol/L. Specimens containing methotrexate in higher concentrations (>1.20 µmol/L) are assayed by dilution of the specimen into the measurement range.

Method Comparison

![Graph showing method comparison](image)

Methotrexate Ordering Information

<table>
<thead>
<tr>
<th>Catalogue Number</th>
<th>Description</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5026-0001-00</td>
<td>Methotrexate Assay</td>
<td>1x16ml, 1x8ml</td>
</tr>
<tr>
<td>5026-0001-02</td>
<td>Methotrexate Assay and Cobas Pack</td>
<td>1x16ml, 1x8ml</td>
</tr>
<tr>
<td>5026-0002-00</td>
<td>Methotrexate Calibrator</td>
<td>6x2ml</td>
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<tr>
<td>5026-0003-00</td>
<td>Methotrexate Complete Control Set</td>
<td>6x2ml</td>
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<tr>
<td>5026-0003-01</td>
<td>Methotrexate Calibration Control Set</td>
<td>3x2ml</td>
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<tr>
<td>5026-0003-02</td>
<td>Methotrexate High Range Control Set</td>
<td>3x2ml</td>
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<tr>
<td>5026-0004-00</td>
<td>Methotrexate Dilution Buffer</td>
<td>1x25ml</td>
</tr>
</tbody>
</table>

Convenient Cobas pack for c501/c502 module users*:

- Includes Cobas C pack, barcodes and funnels to aid reagent transfer

Calibration range Controls:
- Low - 0.07 µmol/L
- Mid - 0.40 µmol/L
- High - 0.80 µmol/L

High range Controls:
- L1 - 5 µmol/L
- L2 - 50 µmol/L
- L3 - 500 µmol/L

* Not compatible with c701/c702. Required but not supplied - Roche cobas c pack MULTI open/close tool and Roche cobas c pack Diluent NaCl 9% - please contact Roche directly for these.

References