PRODUCT SPECIFICATIONS

**Name**  
Anti-HRP2 3902 SPTN-5

**Specificity**  
Antibody recognizes *Plasmodium falciparum* histidine-rich protein 2 (HRP2)

**Description**  
Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components

**Product code**  
100560

**Product buffer solution**  
50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN₃ as a preservative

**Shelf life and storage**  
12 months from manufacturing at 2–8 °C

**Analyte description**  
Malaria is caused by protozoan parasites belonging to the genus *Plasmodium*. The majority of malaria-related deaths are linked to the species *Plasmodium falciparum*. Monoclonal antibodies against *P. falciparum* histidine-rich protein 2 (HRP2) are widely used in malaria rapid diagnostic tests as the parasite secretes substantial amounts of the protein into the host bloodstream.

PARAMETERS TESTED ON EACH LOT

**Product appearance**  
Liquid, may turn slightly opaque during storage

**Product concentration**  
5.0 mg/ml (+/- 10 %)

**Immunoreactivity**  
80–120 % compared to the reference sample in an FIA test

**IEF Profile**  
6.6 – 7.4

**Purity**  
≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

**Subclass**  
IgG₁

**Association rate constant**  
Not Determined (N/D)

**Dissociation rate constant**  
N/D

**Affinity constant**  
N/D

**Determination method**  
-

**Determination antigen**  
-
### Cross-reactivities
N/D

### Epitope
N/D

### Pair recommendations

<table>
<thead>
<tr>
<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>3902</td>
<td>3901, 3902</td>
</tr>
<tr>
<td>3901</td>
<td>3902</td>
</tr>
</tbody>
</table>

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

### Product stability

<table>
<thead>
<tr>
<th>TEMPERATURE, TIME</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>-70 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>-20 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+4 °C, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+35 °C, 7 days</td>
<td>OK</td>
</tr>
<tr>
<td>+35 °C, 21 days</td>
<td>OK, some charge alterations in IEF</td>
</tr>
<tr>
<td>+45 °C, 3 days</td>
<td>OK, some charge alterations in IEF</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>OK, some charge alterations in IEF</td>
</tr>
</tbody>
</table>

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

### Miscellaneous

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### References

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