**recomLine Treponema IgG**
**recomLine Treponema IgM**

Strip-Immunoassay with antigens produced by recombinant techniques for the detection of IgG or IgM antibodies against *Treponema pallidum*

*Treponema pallidum* subsp. *pallidum* is the causative agent of syphilis, a chronic disease that occurs only in humans. The disease progresses in several stages. After a short propagation period at the site of infection (primary state), the pathogen spreads systemically (secondary state). After the decline of acute symptoms, *Treponema pallidum* can persist for years (latency stage) and cause later complications (tertiary syphilis and neurosyphilis).

The recomLine Treponema IgG/IgM assay uses *T. pallidum*-specific recombinant antigens Tp47, Tp17, Tp15, TmpA, Tp257 (Gpd), and Tp453 and provides an easy and a reliable assay for T. pallidum IgG and IgM antibody.

- Includes 6 serologically relevant *T. pallidum* antigens.
- Separate detection of IgG and IgM antibodies is possible.
- Control band on every strip.

**Product #5172 recomLine Treponema IgG**
(reagents for 20 tests)
**Product #5173 recomLine Treponema IgM**
(reagents for 20 tests)

For more information visit

Available in the U.S. For Research Use Only. Not intended for diagnostic procedures.
Test Principle and Procedure

**1st Incubation**
A test strip loaded with HIV antigens is incubated with diluted sample in a dish for 1-3 hours.
Wash strip 3 times.

**2nd Incubation**
Peroxidase conjugated anti-human IgG or IgM is added. Incubate for 45 minutes.
Wash strip 3 times.

**Color reaction**
8 minutes after addition of the coloring solution, insoluble colored bands develop at the sites on the test strips occupied by antibodies.

<table>
<thead>
<tr>
<th>Antigen</th>
<th>Function</th>
<th>Size (kDa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tp47</td>
<td>Membrane protein</td>
<td>47</td>
</tr>
<tr>
<td>TmpA</td>
<td>Membrane protein</td>
<td>42</td>
</tr>
<tr>
<td>Tp257 (Gpd)</td>
<td>Glycerophosphodiester-Phosphodiesterase, membrane protein</td>
<td>39</td>
</tr>
<tr>
<td>Tp453</td>
<td>Membrane protein</td>
<td>28</td>
</tr>
<tr>
<td>Tp17</td>
<td>Membrane protein</td>
<td>17</td>
</tr>
<tr>
<td>Tp15</td>
<td>Membrane protein</td>
<td>15</td>
</tr>
</tbody>
</table>

**Storage**
+2°C - +8°C

**Product #5172** recomLine Treponema IgG (reagents for 20 tests)

**Product #5173** recomLine Treponema IgM (reagents for 20 tests)