INTRODUCTION

Syphilis (lues) is a sexually transmitted disease caused by spirochaeta Treponema pallidum subsp. pallidum. The disease is spread predominantly by sexual intercourse with an infected individual, however in approximately 5-10% of cases the infection is transmitted in another way (from mother to child, rarely by contact with infected blood or by dermal manifestations).

In case that an expectant mother suffers from an untreated primary or secondary acquired form of syphilis, the disease can be passed to the unborn infant which results in abortion or infection of the foetus and its severe damages (congenital syphilis).

In some cases the asymptomatic congenital form of syphilis can appear with manifestation between 7 and 19 year of life.

CLINICAL APPLICATION

- Confirmation of treponemal and non-treponemal tests
- Confirmation of ambiguous results
- Determination of IgG and IgM antibodies enables to distinguish between new and previous infection

ANTIGENS

Highly specific antigens:
- TpN47
- TpN17
- TpN15

Specific antigen:
- TpN41

USER COMFORT

- Ready-to-use components
- Colour-coded strips
- Positive and Negative controls
- Control of reaction course and CUT-OFF control are present on the strip
- Interchangeable components
- Easy assay procedure
### TEST CHARACTERISTICS

<table>
<thead>
<tr>
<th>Pathogens</th>
<th>Diagnostic Sensitivity</th>
<th>Diagnostic Specificity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOT-LINE Treponema IgG</td>
<td>98.0%</td>
<td>100.0%</td>
</tr>
<tr>
<td>BLOT-LINE Treponema IgM</td>
<td>97.6%</td>
<td>100.0%</td>
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</tbody>
</table>

### ADVANTAGES

- Identical assay procedure
- Easy interpretation and reproducibility of results
- High diagnostic sensitivity and specificity
- Compatibility with all commercial immunoblot processing systems
- Customer support

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**CONTACT**

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