Rapid test for serogroup 1
*Legionella pneumophila* antigens in urine

**Rapid**
- Easy handling in only 1 step
- Results in 15 minutes

**High performances**
- Specificity 99%
- Sensitivity 99%

**Convenient**
- Compatible with Biosynex® Reader
- Positive control included
- 18 months shelf life
- Storage between 2-30°C
THE SOLUTION

Legionnaires’ disease is a serious form of pneumonia, whose mortality reaches 10-15% in healthy people. The disease can cause flu symptoms followed by a dry cough, frequently progressing to pneumonia. The incubation period normally lasts from 2 to 10 days, with the disease typically occurring after 3 to 6 days. Legionellosis can occur as an epidemic of two or more cases, following a single-source limited exposure in time and space, in the form of a series of independent cases serial in an area where the disease has become very endemic; or as sporadic cases with no obvious geographic or temporal grouping.

**BIOSYNEX® Legionella** is a single-use immunochromatographic rapid test, for serogroup 1 *Legionella pneumophila* infection early diagnostics, by specific antigen detection in urine.

**Test procedure**

1. **Transfer 4 drops of urine or CSF sample to the cassette well with the provided pipette.**

2. **Read the results at 15 mn. Visual reading or with the BIOSYNEX® Reader.**

**Results**

- **Negative**
- **Positive**

**Performances***

<table>
<thead>
<tr>
<th>BIOSYNEX® Legionella</th>
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<tr>
<td><strong>Specificity</strong></td>
<td>&gt;99%</td>
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<tr>
<td><strong>Sensitivity</strong></td>
<td>&gt;99%</td>
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*Comparative to Binax NOW® Legionella Urinary Antigen, Alere (see instructions for use).

**Kit content**

- 20 test cassettes
- 20 plastic sampling pipettes
- 1 positive control: inactivated *L. pneumophila* swab
- Barcode card for test batch identification when using BIOSYNEX® Reader

**BIOSYNEX® Reader**

- Automated reading of the results
- Results storage
- Printer, barcode reader & adhesive paper
- S.I.L connectivity

**References**

- Ref. 1030001 - BIOSYNEX® Legionella
  - 20 tests
  - optTricon Gesellschaft für optische Technologien (GERMANY)
- Ref. 5060001 - BIOSYNEX® Reader
  - 1 Reader

Carefully read the instructions on the labeling and/or reagent notices.
Rapid test for the detection of *Streptococcus pneumoniae* antigens in urine and CSF

- **Rapid**
  - Easy handling in only 2 steps
  - Results in 15 minutes

- **High performances**
  - Specificity 96%
  - Sensitivity 93%

- **Convenient**
  - Compatible with Biosynex® Reader
  - Positive control included
  - 18 months shelf life
  - Storage between 2-30°C
Streptococcus pneumoniae is a Gram-positive, capsular bacterium commensal to upper airways. In some cases, such as immunodeficiency, S. pneumoniae can become highly pathogenic. The bacterium represents the first cause of meningitis, communautary acquired-pneumonia (CAP) and acute otitis media (AOM) in adults.

BIOSYNEX® S. pneumoniae test is a single-use, rapid immunochromatographic test for the detection of S. pneumoniae specific antigen detection in urine and CSF.

Test procedure

1. Transfer 1 drop of urine or CSF in the cassette well with the provided pipette.

2. Add 3 drops of buffer

3. Read the results at 15 minutes. Visual reading or with the BIOSYNEX® Reader.

Performances

BIOSYNEX® S. pneumoniae

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<table>
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<tbody>
<tr>
<td>Specificity</td>
<td>96%</td>
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<tr>
<td>Sensitivity</td>
<td>93%</td>
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<tr>
<td>PPV</td>
<td>92%</td>
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<tr>
<td>NPV</td>
<td>97%</td>
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Comparatively to another marketed rapid test (see the instructions for use)

Lille Hospital University evaluation 766 patients versus BinaxNow® S. pneumoniae.

Conclusion : «BIOSYNEX® test equivalent to BinaxNow® test»

G. Descombes et al. (poster P-242 RICAI 2016).

Kit content

- 20 test cassettes
- 20 plastic sampling pipettes
- 1 Buffer dropper
- 1 positive control : inactivated S. pneumoniae suspension
- Barcode card for test batch identification when using BIOSYNEX® Reader

References

BIOSYNEX
- Ref. 1030002 - BIOSYNEX® S.pneumoniae 20 tests
- opTricon Gesellschaft für optische Technologien (GERMANY)
- Ref. 5060001 - BIOSYNEX® Reader 1 reader

Carefully read the instructions on the labeling and / or reagent notices.