

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) November 2014**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

| | <i>Erwartet / expected</i> | | <i>Probenzusammensetzung / Sample composition</i> |
|---------|----------------------------|----|---|
| 1425411 | ++ | 61 | <i>Mycoplasma pneumoniae</i> (~ 10 ⁵ genome copies/mL) |
| 1425412 | +++ | 61 | <i>Mycoplasma pneumoniae</i> (~ 10 ⁶ genome copies/mL) |
| 1425413 | + | 61 | <i>Mycoplasma pneumoniae</i> (~ 10 ⁵ genome copies/mL) |
| 1425414 | ∅ | 62 | <i>Escherichia coli</i> K12 |

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

| <i>n</i> = 128 | Probennummer (Sample no.) | | | | Inhibition | | | | |
|---------------------------------|---------------------------|---------|---------|---------|-------------------|---------|---------|---------|-----|
| Befund <i>Result</i> | 1425411 | 1425412 | 1425413 | 1425414 | 1425411 | 1425412 | 1425413 | 1425414 | |
| Positiv | 127 | 127 | 127 | 1 | n.d. | 1 | 1 | 1 | 1 |
| Negativ | 1 | 1 | 1 | 127 | nein <i>no</i> | 127 | 127 | 127 | 127 |
| Fraglich <i>Questionable</i> | 0 | 0 | 0 | 0 | ja <i>yes</i> | 0 | 0 | 0 | 0 |

Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern verschiedener Methoden.

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.

| NAT-Methode [Code] (total number *) | NAT richtig positiv <i>True positive results</i> | | | NAT richtig negativ <i>True negative results</i> | | |
|--|---|----------------------------|-----|---|----------------------------|-----|
| | Absolut <i>Absolute</i> | Relativ <i>Relative</i> | % | Absolut <i>Absolute</i> | Relativ <i>Relative</i> | % |
| LightMix <i>M.pneumoniae</i> [20] (n = 13) | 37 | 37 / 39 | 95 | 13 | 13 / 13 | 100 |
| Minerva Venor Mp [22] (n = 1) | 3 | 3 / 3 | 100 | 1 | 1 / 1 | 100 |
| AmpliGnost MP PCR Kit [23] (n = 2) | 6 | 6 / 6 | 100 | 2 | 2 / 2 | 100 |
| Diagenode MP/CP [24] (n = 9) | 27 | 27 / 27 | 100 | 9 | 9 / 9 | 100 |
| Commercial assay / kit [27] (n = 48) | 143 | 143 / 144 | 99 | 47 | 47 / 48 | 98 |
| <i>In house</i> PCR assay [28] (n = 54) | 162 | 162 / 162 | 100 | 54 | 54 / 54 | 100 |
| Andere / k.A. / other [29] (n = 1) | 3 | 3 / 3 | 100 | 1 | 1 / 1 | 100 |