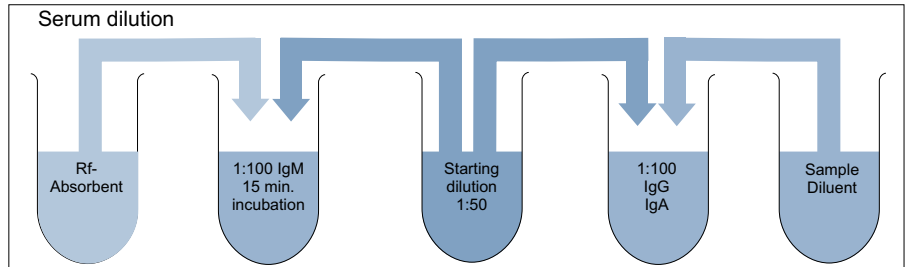
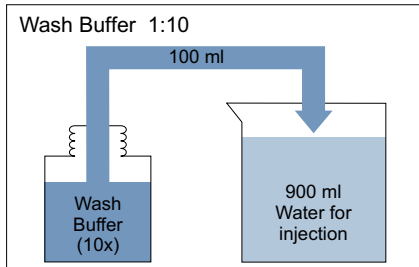


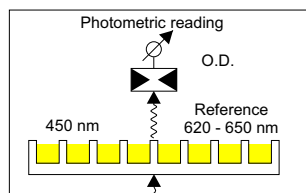
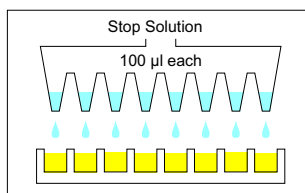
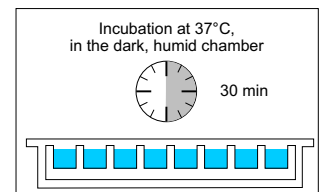
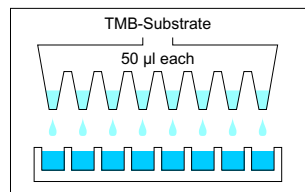
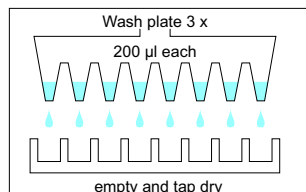
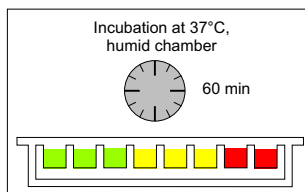
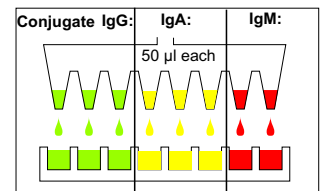
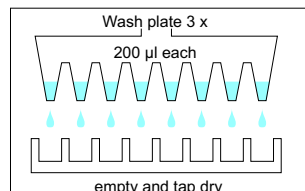
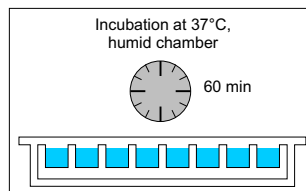
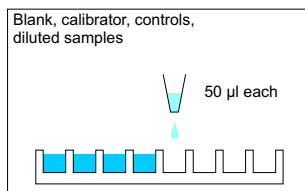
Preparation of the reagents:



Starting dilution 1:50 = 1 part serum + 49 parts sample diluent

Final dilution G + A 1:100 = 1 part starting dilution + 1 part sample diluent
 M 1:100 = 1 part starting dilution + 1 part Rf Absorbent

Test run:



For test valuation and interpretation of results see overleaf

Test valuation:

- The photometric reading is performed at 450 nm as measuring wave length (620-650 nm as reference wave length).
- The OD of the blank (well A1) is subtracted from all OD values.
- The mean OD value of the **negative control has to be < 0.100**.

M. pneumoniae-IgM:

- The mean OD value of the **positive control has to be > 0.800**.
- **Cut-off = Mean OD of the negative control + 0.380**.
- **Grey zone = Cut-off ± 10%**.

M. pneumoniae-IgG, IgA:

- The mean OD value of the **calibrator** has to be above the lower OD limit and the unit value of the **positive control** has to be within the nominal range indicated in the **lot specific data sheet**.

- **Correction of the results:**

$$OD_{\text{corrected}} = \frac{\text{Nominal OD value of the calibrator}}{\text{Measured OD of the calibrator}} \times OD_{\text{measured}}$$

- **Quantification of the results:**

$$\text{Concentration [AU/ml]} = b / \left(\frac{a}{OD_{\text{corrected}}} - 1 \right)$$

- **Cut-off = 10 AU/ml.**
- **Grey zone = 9 - 11 AU/ml.**

Interpretation of the results:

- Samples with OD values below the grey zone are reported as **NEGATIVE**.
- Samples with OD values within the grey zone are reported as **BORDERLINE**.
- Values within the grey zone should be controlled for titer movement by testing second serum samples after 14 days in parallel with the initial serum samples.
- Samples with OD values beyond the grey zone are reported as **POSITIVE**.