

Legionella Latex Test

Cat. 6140

Agglutination test intended for confirmatory identification of Legionella pneumophila and commonly isolated Legionella species grown on selective media

Practical information

Typical formula g/L * Adjusted and/or supplemented as required to meet performance criteria.

Instructions for use

1. Dispense 1 drop of isotonic saline (M40) on to each of three wells of the agglutination slide.
2. Using an inoculating loop, remove 3-4 Legionella-like colonies from the selective agar plate and make a thick even smear on the slide alongside each drop of saline.
3. Mix the colonies with the saline and emulsify to form a smooth heavy suspension, spreading the liquid over the entire surface of the well.
4. If the suspension remains smooth, proceed to section 7. If the suspension is "stringy" or "granular" (often as a result of old and/or mucoid cultures), proceed as follows:
5. Dispense 0.5mL 0.85% isotonic saline into a glass tube. Prepare a homogeneous turbid suspension of organisms taken from the selective agar plate.
6. Boil the suspension for 5 minutes. Allow to cool to room temperature. Place 30µL boiled suspension on to each of three wells of an agglutination slide.
7. Gently mix each test latex reagent (M45a, M45b and M45d) to ensure a homogeneous suspension.
8. Add one drop of Test Reagent 1 to one of the bacterial suspensions, one drop of Test Reagent 2-15 to the second suspension and one drop of Test Reagent Species to the third suspension. Do not allow the reagent dropper to touch the suspension.
9. Mix the reagent and suspension using a new mixing stick for each combination. Spread the liquid over the entire area of the well.
10. Rock the slide gently for 2 minutes and observe for agglutination.
11. Discard the used mixing sticks and slides into a suitable disinfectant.

Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°C)
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Microbiological test

Microorganisms	Specification
Visual inspection Test reagent 1	White latex, free form large particles and clumps (may settle on standing)
Visual inspection Test reagent 2-15	White latex, free form large particles and clumps (may settle on standing)
Visual inspection Positive control	Turbid, off white to colourless liquid free from particles easily visible to the naked eye
Visual inspection Test reagent species	White latex, free form large particles and clumps (may settle on standing)
Visual inspection Isotonic saline 0,85%	Clear colourless liquid, free from particles easily visible to the naked eye
Efficacy Test reagent 1	Positive reaction with the kit Legionella positive control
Efficacy Test reagent 2-15	Positive reaction with the kit Legionella positive control
Efficacy Negative control	No agglutination (negative reaction) at 2 minutes
Efficacy Test reagent species	Positive reaction with the kit Legionella positive control

Storage

Temp. Min.:2 °C
Temp. Max.:8 °C

Bibliography

Additional information

Agglutination test intended for confirmatory identification of *Legionella pneumophila* and commonly isolated *Legionella* species grown on selective media