



Food and Environmental Proficiency Testing Unit

The final date for return of results is indicated on the accompanying request/report form

Contact details:

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Results to be returned via an online survey
as per email sent to your laboratory

Legionella Molecular Scheme DISTRIBUTION – Instruction Sheet

This pilot consists of **two** LENTICULE® discs in screw-cap plastic vials (with desiccant). The LENTICULE discs require reconstitution by a process of re-hydration and dispersion prior to examination for legionellae.

Refer also to the Safety Data Sheet: www.gov.uk/government/publications/safety-data-sheet-for-lenticules

Storage:

- Store the samples at **-20 ± 5°C** on receipt.
- Allow the LENTICULE discs to reach ambient temperature (5 - 10 minutes) before reconstituting in diluent.

Reconstitution:

- Open the sample container and transfer the LENTICULE disc into **1 Litre** of diluent (use either Page's saline or 1:40 Ringers' solution) by inverting the container over the diluent.
- Leave at ambient temperature for a minimum of 10 minutes to rehydrate. Ensure that the LENTICULE disc has dissolved completely before proceeding.
- Disperse the inoculum by inverting approximately 30 times.
- Examine samples between 30 - 45 minutes of reconstitution.

Examination:

- Each reconstituted LENTICULE disc is equivalent to a 1 Litre water sample.
- Filter the entire 1 Litre sample.
- Undertake DNA extraction.
- Examine sample using your routine molecular methods.
- Detection and quantification of *Legionella pneumophila* and *Legionella* spp. is required for both samples.

Return of Results:

- Return results to the organisers before the deadline shown on the request/report form.