



**Fapas® – Environmental Water *Legionella*
Proficiency Test LG0126**

11 September 2024

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Safety information:

For details on safe handling of Fapas® – Environmental Water *Legionella* samples please download the safety data sheet from the relevant links at: fapas.com/technical-documentation

Test Materials dispatched:

Two test materials:

Test Material A LG0126A

Test Material B LG0126B

PLEASE NOTE:

Each test material comprises a small glass vial, sealed with a rubber bung and crimp-capped, containing an inoculum pellet.

The test materials were dispatched in **specialised water microbiology containers**, no ice blocks are required.

Instructions:

- 1) Keep the small glass vial(s) at **+4°C ±2°C** until analysis.
- 2) Before starting the analysis of test materials A and B you **MUST** prepare the sample as specified in the instructions given below. Fapas® cannot be held responsible for any failure arising from incorrect sample preparation.
- 3) **After following the sample preparation instructions given below**, treat each test sample as if it was a sample for routine analysis. Use your usual method.
- 4) **Start the analysis between 11 September and 20 September 2024.**
- 5) **For both test materials:**
 - Report the presence/absence of *Legionella* spp. as **detected/not detected in 1 litre**.
 - If you have NOT carried out tests to identify the species, and/or Serogroup, tick the 'Not Tested' boxes for the relevant lines. Otherwise:
 - Report the identity the organism you have isolated in **full**, i.e. **give genus, species and serogroup**.
 - if the species you find is NOT in the drop-down list, choose 'other' and then specify the full name in the box headed 'unlisted species / serogroup range / LoD'.
 - if you can only identify a range of serogroups, choose 'range' and then specify the range in the box headed 'unlisted species / serogroup range / LoD'.
 - Submit quantitative results, even if the organism you have isolated is NOT *Legionella pneumophila*.
 - Quantitative results must be reported in **cfu/l** (converted from cfu/ml, if necessary).



- 6) Instructions on how to enter your results and methods via the secure web page can be downloaded from the relevant link at: fapas.com/technical-documentation.
 - You may submit more than one set of results.
 - By default, the **first** set of results you enter are those that will be assessed in the report BUT you may instead choose any additional entries.
- 7) When you enter your results, comments and methods please ensure you:
 - Use English, as it is the default international language.
 - Use Western characters. Entries made in other characters will be captured as symbols that are not readable.

Please ensure you submit your data no later than:

closing date 09 October 2024

You are reminded that the ability to report results in the specified units and within the given time scale are part of the proficiency test. Please make sure that you complete your method information in English.

Please note that collusion between participants is contrary to professional scientific conduct and, as indicated in our Protocols (available at: fapas.com/technical-documentation), is strongly discouraged.

In October 2024 a statistical report on the performance of participating laboratories will be published on our secure web site. This report will be confidential and will reveal only the number assigned to your laboratory. It will not list the identities of participants.

If you have any problems please contact Fapas® immediately, email: info@fapas.com or tel: +44 (0)1904 462100.

Stilian Hristov

Proficiency Test Co-ordinator
On behalf of Fapas®



INSTRUCTIONS FOR PREPARATION OF ENVIRONMENTAL WATER *LEGIONELLA* TEST MATERIALS A and B

It is essential that Test Materials A and B are prepared in accordance with these instructions. Fapas® cannot be held responsible for any failure arising from incorrect sample preparation.

Reconstitution / Rehydration for both Test Materials:

- 1) Treat each test material separately. Do NOT combine the test materials.
- 2) Do NOT acid or heat treat.
- 3) Start the preparation and analyses between 11 September and 20 September 2024.
- 4) Carefully remove the crimp cap and discard it.
- 5) Aseptically remove the rubber bung and discard it.
- 6) Reconstitute each of the test materials by adding 1 ml of sterile deionised/distilled water to the glass vial.
- 7) Allow a recovery period of 2 minutes.
- 8) Dilute the resulting suspension to a final volume of 1000 ml \pm 20 ml using your own sterile deionised / distilled water.
- 9) Rinse the glass vial 2-3 times during this process using your sterile deionised / distilled water to ensure that all of the inoculum is added to the final 1000 ml \pm 20 ml volume.
- 10) Gently mix the prepared sample by inversion.

Analysis:

Analyse Test Materials A and B using your routine method for *Legionella* spp.

For both test materials:

- a) Report the presence/absence of *Legionella* spp. as **detected/not detected in 1 litre**.
- b) Report the identity the organism you have isolated in **full**, i.e. **give genus and species**.
- c) If you have carried out additional tests to ascertain the serogroup then include this result as well.
- d) Submit quantitative results, even if the organism you have isolated is NOT *Legionella pneumophila*.
- e) Quantitative results must be reported in **cfu/l** (converted from cfu/ml, if necessary).