Instructions for Use

This protocol details the procedure for testing samples with the OLM *Aspergillus* LFD (*Asp*LFD). The following protocol is summarised in the figure overleaf. Please see the *Asp*LFD handbook for more detailed product information.

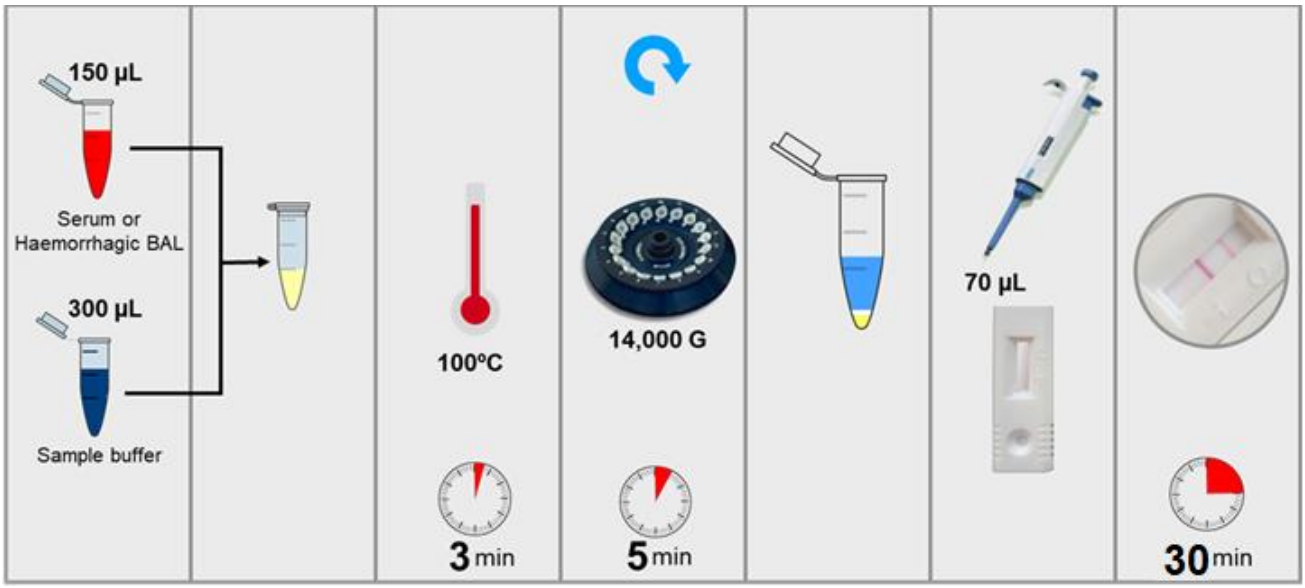
Non-haemorrhagic BAL samples (blood-free). ***No Sample pre-treatment required.***

1. Mix BAL sample thoroughly before use and centrifuge for 1 minute at 14,000 g.
2. Tear open a foil pouch, remove LFD cassette and lay it on a flat and horizontal surface.
3. Pipette 70 µL of sample (avoiding deposited cellular matter) into the sample port of the cassette (taking care to avoid air bubbles in the port or splashes in the results window).
4. Start timer and allow results to develop for 15 minutes.
5. Read results at 15 minutes (Results must NOT be reported until the full 15-minute development time is completed).

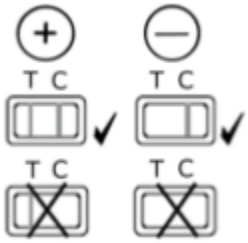
Serum and/or haemorrhagic BAL (bloody BAL). ***Sample pre-treatment is required.***

1. Mix serum/BAL sample thoroughly before use and centrifuge for 1 minute at 14,000 g.
2. Mix 150 µL of serum or BAL sample with 300 µL of Sample Buffer (OLM – provided) in a 1.5 mL tube.
3. Place the sealed tube in heat block at 120 °C for 3 minutes, or 100°C in a boiling water bath for 3 minutes (Do not rely on the temperature displayed by the apparatus, please check that the temperature complies with specifications by using a calibrated thermometer which will be fitted into a tube containing mineral oil).
4. Remove tube from heat block/water bath and centrifuge at 14,000 g for 5 minutes.
5. Carefully remove supernatant using a pipette and transfer to a new 1.5 mL tube (this is the sample for LFD testing).
6. Tear open a foil pouch, remove LFD cassette and lay it on a flat and horizontal surface.
7. Pipette 70 µL of sample into the sample port of the cassette (taking care to avoid air bubbles in the port or splashes in the results window).
8. Start timer and allow results to develop for 30 minutes.
9. Read results at 30 minutes (Results must NOT be reported until the full 30-minute development time is completed).

Method for Serum and/or haemorrhagic BAL



Interpretation of Results



- POSITIVE Result: Two red lines appear. Both the Test (T) and the Control (C) lines are observed. The C line is intended as a test validity indicator only. It is not an internal reference for test line strength.
- NEGATIVE Result: Red line appears in the control (C) zone only. Negative results must not be read until the full 15/30-minute development time is completed.
- Invalid Result: No line present in the C zone. Insufficient specimen volume or incorrect procedural technique are the most likely reasons for control line failure. Review the procedure and repeat the test with a new device.

Typical Results

The Core, Science Central,
Bath Lane, Newcastle upon
Tyne, NE4 5TF