www.echamicrobiology.com E-mail: info@echamicrobiology.com

- 1. Shake sample and then allow to stand. If free water is present determine whether to test fuel/oil or water. Determine the recommended test volume (aviation fuel 0.5ml; other fuels 0.25ml; oil 0.01ml; water associated with fuel/oil 0.1 or 0.01ml; see Instruction Leaflet and appropriate technical quidance leaflets for further details).
- 2. Break and discard the plastic seal on the MicrobMonitor2 bottle. Remove the cap and place on a clean surface. Don't touch the inside of the cap or bottle neck. Using the supplied loop (0.01ml) or syringe (for other volumes), transfer the required volume of sample to the MicrobMonitor 2 bottle and replace the cap.



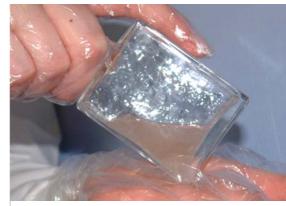
3. Tap the bottle to break up the gel.



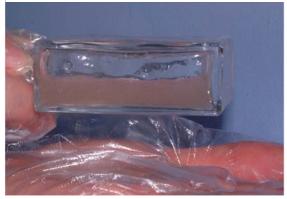
4. Shake vigorously for 30 seconds. Ensure gel is not lumpy and sample is fully dispersed.



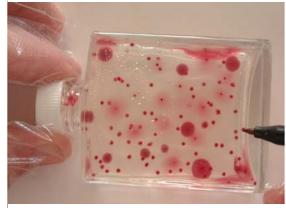
5. Flick the gel into the bottom of the bottle.



6. Tap the bottle to make a flat layer of gel. Lay the bottle flat (with gel layer at the bottom) in a warm dark place and incubate at 25 °C (\pm 3°C) / 77°F (\pm 5.4°F) for 4 days. Examine at least once in the first 3 day and again after 4 days. Try not to disturb the gel during examination.



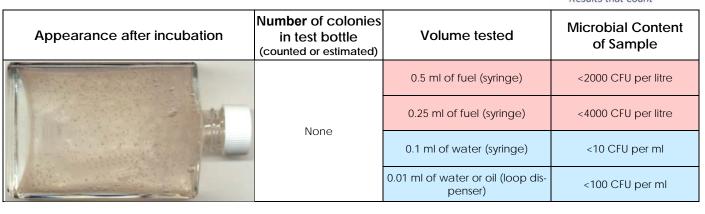
7. To examine the test, hold bottle against a light background and count all of the red / purple colonies, marking them off on the bottle with a felt tip pen. Re-incubate and examine as necessary for up to 4 days. If there are too many colonies to count an estimate of their number can be made by comparison to the chart provided.

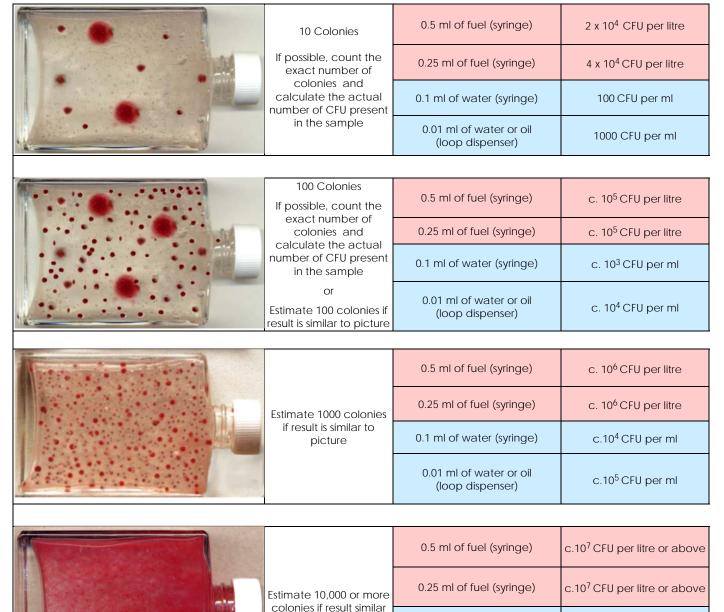


NB

Alternative incubation temperatures may be appropriate. If the temperature falls below the required range during incubation, colonies will take longer to develop; extend incubation by a time equivalent to the time the temperature was below the required range.

If it is difficult to distinguish colonies (e.g. streaky patches or unusual colour) see Instruction Leaflet and Technical Guidance document EP157 for further details.





Note: numbers of microorganisms are normally expressed as colony forming units (cfu) per **litre** of fuel and per **ml** of water or oil.

0.1 ml of water (syringe)

0.01 ml of water or oil

(loop dispenser)

c.10⁵ CFU per ml or above

c.106 CFU per ml or above

to picture