



# ESR 5-place stand

FH-1705

It is essential that the ESR pipette (or Dispette assembly) should be placed in an upright position, no more than  $\pm 1^\circ$  variation from the vertical, on a vibration-free surface away from draughts and direct sunlight and that the test is performed at a constant temperature ( $\pm 1^\circ\text{C}$ ) within the range of 18 - 22°C during the sedimentation period.<sup>1, 2</sup>

This stand has been specifically designed for use in the Doctor's office as well as the Medical Laboratory. It incorporates a wrap-around back-plate for draught protection and two-point securing for the Dispette and filling reservoir assembly. A levelling bubble and adjustable screws enable the user to ensure that the Dispette tubes are precisely vertical.

The 5-place stand will accommodate all of the Guest ESR Systems.

## Instructions for use:

1. BEFORE setting up the ESR test in the Dispette assembly be certain that the bench where the stand is to be placed is not subject to vibration from machines such as centrifuges, air pressure pumps, water pipes, etc. Remember, vibration may only happen intermittently or at certain times of the day and the source may even be in a different room from the ESR stand.
2. Use the levelling screws to ensure the levelling bubble is precisely in the middle of the circle printed on the upper surface. See diagram 1. Avoid areas subject to direct sunlight (e.g. through a window) and draughts.
3. Once filled, the '0' end of the Dispette assembly is placed into the upper hole of the stand and the filling reservoir located in the depression immediately beneath it. See diagram 2.
4. Use a laboratory timer to precisely time the one-hour period for sedimentation to take place.

Diagram 1.

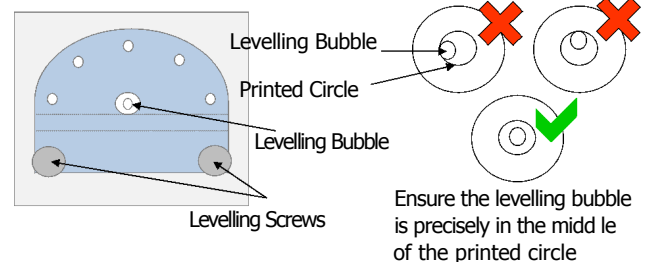
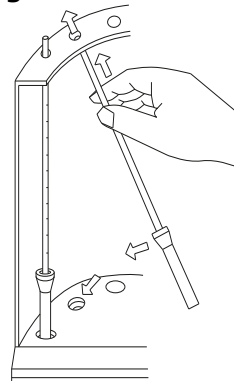


Diagram 2.



### References:

1. J.M. Jou, et.al. ICSH review of measurement of ESR. *Int. J. Lab. Hem.* 2011, 33, 125-132
2. Go to [www.guestscientific.com](http://www.guestscientific.com) for details of temperature correction for the ESR test.

This 5-place ESR stand has been designed to accommodate all the Guest Scientific ESR Systems including:

**Dispette2**; a disposable, closed system, pre-filled with diluent to conform to the Westergren Method.

**Micro-Sed**; a disposable, micro-ESR system requiring only 200µl of blood sample.

**Dispette**; the original disposable Westergren-Standard pipette with filling reservoir.

**Vacupette**; a disposable, Westergren-Standard pipette with piston for direct use in Vacuum sample tubes.

**Winpette**; a disposable ESR pipette conforming to Wintrobe dimensions.

For full details on these and the other Guest Scientific ESR products please go to **[www.guestscientific.com](http://www.guestscientific.com)**

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