

Cleaning Procedure for Vitalograph Alpha Spirometer

NB: It is essential to read the manufacturers instructions before undertaking this cleaning procedure particularly with regard to:

- **Electrical safety**
- **Avoidance of damage to the equipment with the cleaning agent**

Case Exterior – Wipe with a 70% alcohol cloth, including the flow tubes. *Ensure does not come into contact with screen.* Paper tear bar contains sharp edges – take care not to cut fingers.

Screen – Lightly wipe the surface with a cotton pad or other soft material, in the same direction. DO NOT use any chemicals on the screen.

Flowhead – Remove the fleisch flowhead as per manufacturer's instructions.

1. Clean each separate part of the flowhead by washing in a mild detergent to remove particle contamination (body fluids/secretions)
2. Agitate the fleisch element vigorously. Do not rub or scrub the capillaries as these are fragile.
3. The flowhead body does not require disinfection, but can be cleaned/disinfected with the rest of the flowhead.
4. Rinse all parts in clean water.
5. Disinfect by immersing in Sodium Dichloroisocyanurate (NaDCC) solution at 1,000ppm concentration of free chlorine (1 tablet: 1Litre water) for 15 minutes. E.g Presept, Achtichlor, Sanichlor, Haztab.
6. Rinse with very hot water to aid drying.
7. Leave to dry in room air.
8. Ensure all parts are thoroughly dry before re-assembling the spirometer.
9. Check all filters/fleisch for any defects.
10. Perform accuracy check following reassembly to verify correct operation and accuracy check.
11. Keep a cleaning record.
12. Cleaning and disinfection is to be carried out at least weekly.

It is recommended that the cleaning and disinfecting of equipment be carried out after each use on infected individuals or prior to use on immuno-compromised individuals.

An accurate cleaning log should be maintained.

All used consumables (disposable mouthpieces) should be disposed of in the Clinical Waste disposal point.

Peak Flow Meters (Clement Clarke/Mini Wright)– Wash in hot soapy water. Rinse in clean water. Immerse whole of meter in disinfectant solution as above. Leave for 15 minutes. Rinse and air dry.

One way mouthpieces (single patient use) to be used for each patient