



## **Aseptic Sampling Protocol**

### **Scope**

This protocol is for sampling multiple points where the risk of cross contamination is to be reduced and an aseptic disinfection process is needed.

This would include multiple point Network sampling, WwTW sampling, bathing water derived investigations, River catchment monitoring and all sampling requiring multiple point Microbiological determinants.

It is not possible by design to undertake this type of sampling using automatic samplers. This scope is written to be followed using manual sampling techniques only.

### **Equipment**

- Stainless steel only sampling can receptacle
- Powder free disposable gloves
- Clinell Universal sanitising disinfectant foaming wipes
- Sterile sample bottles/containers minimum 500ml size

### **Sampling Protocol**

1. All metal sampling containers are to be sterilised prior to sampling using an autoclave at a minimum temperature of 121°C for 15 minutes at 15 PSI pressure
2. The sample container is to be stored in the Autoclave bag until required to guarantee no contamination
3. When required the sampling receptacle is to be removed from the bag taking care not to touch the inside surfaces of the sampling receptacle
4. For Bathing water, River and WwTW sampling take the least contaminated sample first if possible
5. After the first sample point is taken, using a disinfectant wipe clean all surfaces of the sampling can and the first 12-24" of the sample pole thoroughly making sure all are covered and then allowed to air dry
6. At the next sample point thoroughly rinse the receptacle with the sample, fully immersing and then emptying it a minimum of 2 times to remove any disinfectant residue
7. Steps 3-6 are to be followed for each sample point, once all samples are taken the receptacle is to be cleaned using a disinfectant wipe rinsed with RO/Distilled water and re-autoclaved as per the guidelines in step 1
8. All samples need to be stored out of direct light and at temperatures where possible of between 2-8°C

### **Equipment Details:**

- TeleScoop Sample dippas, Sampling rod 1.74 to 6m SKU: 1172325 - £77.57 (CamLab)
- Telescoop Pendulum Beaker Stainless Steel 1000ml SKU: 1188092 - £173.06 (CamLab)
- Clinell Universal disinfectant foaming wipes (green package) - £6.95 (Amazon)
- Sterile 500ml sample bottles – Supplied by the laboratory