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REMOTE SWABBING AND MICROBIOLOGICAL SAMPLING TOOLS (PATENTED) & CLEANING VALIDATION ACCESSORIES

The following tools for remote swabbing and microbiological sampling and cleaning validation accessories are available from GlobePharma, Inc.



1. **Remote Swabbing & Microbiological Sampling Tool** – made of anodized aluminum or stainless steel, extendible up to 10 feet (custom lengths up to 25 feet available), to take swab or microbiological samples from distant locations such as surfaces of large mixers, blenders, dryers, reactors, etc. **without actually someone getting inside of the equipment.** At the tip of this tool there is an anodized aluminum adjustable angle adapter which can be bent up to 90° in order to gain access to the location to be swabbed. Five different types of clips may be attached to the tip of the adjustable angle adapter in order to hold a swab (with or without a handle), a wipe, a microbiological sampling plate (agar plate) or a swab from a microbiological sampling tube (Swube). This tool can be completely dismantled and reassembled in a few minutes, and is sterilizable. The plastic collars inside the tool segments can be sanitized with alcohol.
2. **Teflon Template Tool** – is just like the tool described above except that a Teflon template holder with a Teflon template having an opening of desired dimensions is attached to it, and is used in conjunction with the swabbing tool for swabbing a pre-determined surface area. Teflon templates are available with custom-made sizes, shapes, and surface area.
3. **Suction Cups** – are required to be used in conjunction with the swabbing tool for microbiological sampling with agar plates. 2" in diameter and individually packaged, two different types are available:
 - a. Made of PVC, cannot be steam sterilized, may be sanitized with alcohol, and disposable.
 - b. Made of silicone, can be steam sterilized and reusable.
4. **Clips** – Five different types of clips are available:
 - a. Made of 316 stainless steel and electropolished for microbiological sampling using agar plates. Steam, dry heat, ETO, and gamma radiation sterilizable.
 - b. Made of 316 stainless steel and electropolished for swab sampling using swabs with or without handles, filter paper, or wipes. Especially suitable for Texwipe Alpha Swabs TX761 and TX714A (available from VWR Scientific). Steam, dry heat, ETO and gamma radiation sterilizable.
 - c. Made of FDA approved white plastic, for same application as described in (b) above. May be sanitized with alcohol, but not sterilizable. Designed to avoid scratching the surface being swabbed.
 - d. Made of an FDA approved amber colored special plastic, for microbiological sampling using swabs from microbiological

tubes (Swubes). Steam, dry heat, ETO, and gamma radiation sterilizable.

- e. Made of 316 stainless steel, for microbiological sampling using Culture Swab from DIFCO Laboratories.
5. **Adjustable Angle Adapter** – Made of anodized aluminum, this part accepts all the clips described above. Angle can be adjusted to 90°.
 6. **Cleaning Validation Coupons** – 2" x 2" and 4" x 4" coupons made of 304 stainless steel and 316 stainless steel in #4 and #7 finishes, polyethylene, polypropylene, Delrin, white Neoprene rubber, borosilicate glass, Plexiglass, Lexan, Teflon and Nylon are available. Custom-made coupons are also offered.
 7. **Teflon Template Holder** – Made of 316 stainless steel. Used with the Teflon template tool to hold the template.
 8. **Teflon Template** – Made of Teflon, 6" x 6", with an opening of desired dimensions.
 9. **Twin-beam Flash Light** – Can be worn around the neck for hands-free operation. Used to illuminate the area of swabbing.
 10. **Binocular Glasses** – Can be worn like glasses. Facilitates a closer view of the swabbing area.