



## Instructions for Use: LTA Ergonomic External Cleaning Brushes

<b>Brand Name of Product</b>	LTA Ergonomic External Cleaning Brushes
<b>Generic Name of Product</b>	Brushes
<b>Product Code Number(s)</b>	510, 510C, 520, 530, 535, 540, 550, 550C
<b>Intended Use</b>	Designed for external cleaning of hard surface medical devices preliminary to instrument being sterilized. The 530 contains soft white fibers for cleaning of delicate medical devices microsurgery, optics and neurosurgery.
<b>Range of Applications for Product</b>	Products that require precision cleaning of medical devices with hard external surfaces.
<b>Key specifications of product</b>	<ul style="list-style-type: none"> <li>Ergonomic handle made of composite thermoplastic.</li> <li>Fibers are thermoplastic compound with low absorbency level.</li> </ul>

Shipping & Storage	
<b>Shipping Conditions &amp; Requirements</b>	
<b>Storage Conditions</b>	Avoid brush compression during sterilization and storage.
<b>Packaging Conditions</b>	
<b>Shelf Life</b>	

Instructions for Using Product	
<b>Description of Use (s)</b>	
<b>Preparation for Use</b>	Before each use, check the integrity and the condition of the brush. Protect themselves from possible splashes of liquid during use. For optimal effectiveness, consider replacing any worn brush.
<b>Diagrams (drawings, pictures):</b>	
<b>Steps for Use of Product</b>	<ol style="list-style-type: none"> <li>Consult the manufacturer's IFU for the device you are cleaning and follow those instructions closely. Pay close attention to recommendations on the material composition of the brush trim (nylon, brass, stainless).</li> <li>Visually inspect box lock area and serration for any debris / residual / bio-burden / blood / protein.</li> </ol>
<b>Interpretation of Results</b>	
<b>Contraindications of Test Results</b>	
<b>Documentation</b>	
<b>Special Warnings and Cautions</b>	<ul style="list-style-type: none"> <li>External brushes are intended for use as cleaning tools only. They are not for use in patient care or aseptic techniques.</li> <li>Always protect yourself from brush spatter and contamination.</li> <li>Healthmark recommends that brushes are cleaned and disinfected at least daily, preferably between each use in order to limit the chance for cross contamination. See instructions for reprocessing below.</li> </ul>
<b>Disposal</b>	<ul style="list-style-type: none"> <li>Because these brushes are used to clean patient used medical devices, it is recommended to dispose of them in the biohazard container with other contaminated devices.</li> </ul>

Reprocessing Instructions	
<b>Point of use:</b>	
<b>Preparation for decontamination:</b>	<ol style="list-style-type: none"> <li>Brushes should be changed every 3 months maximum for optimal cleaning.</li> <li>Rinse gross contaminants from the brush in a deep sink and a spray apparatus, such as a shower gun.</li> <li>Use the facilities cold water supply for this rinsing (To avoid corrosion do not immerse brushes in chlorine, bleach or acid solutions).</li> </ol>
<b>Disassembly Instructions:</b>	
<b>Cleaning – Manual:</b>	<ol style="list-style-type: none"> <li>Brushes may be cleaned manually utilizing a high alkaline instrument detergent or an enzymatic detergent with the suitable enzymes for cleaning the types of soil the brush may come in contact with during cleaning (i.e., protease, lipase, etc.).</li> <li>The IFU for the cleaning agent should be followed closely to insure sufficient exposure time is allowed for the cleaning solution to work.</li> <li>It is recommended that agitation accompany the cleaning process to improve results.</li> <li>Thoroughly rinse detergent from all surfaces of the brush.</li> </ol>

<b>Cleaning – Automated:</b>	<ol style="list-style-type: none"> <li>1. Machine cleaning is recommended in a washer disinfector cleared by the FDA.</li> <li>2. Products should be positioned in the washer to allow maximum water penetration and drainage.</li> <li>3. No overlapping - partially covered devices will not be washed properly.</li> <li>4. Brushes should be secured in some way, such as the use of a wire or perforated tray that has a wire or perforated lid to prevent brushes from blowing around the wash chamber during cleaning. A container such as the brush cleaning tube from Healthmark is a suitable solution.</li> <li>5. Products can be cleaned with alkaline, acidic and neutral detergents.</li> <li>6. For final rinse, DI or RO water is recommended.</li> <li>7. The standard program to include: <ol style="list-style-type: none"> <li>1. Pre-wash with cold water (&lt;100°F) rinse for a minimum of 2 minutes.</li> <li>2. Washing cycle with alkaline or enzymatic detergent at temperature recommended by the detergent manufacturer for 5 minutes.</li> <li>3. Washing cycle with neutral pH or neutralizing detergent at temperature recommended by the detergent manufacturer for 5 minutes.</li> <li>4. Rinse cycle for 2 minutes (preferably with DI or RO water).</li> <li>5. Thermal disinfection of up to 195°F in compliance with the washer manufacturer recommendations for time and temperature.</li> <li>6. Drying cycle at temperature not to exceed 240°F.</li> <li>7. Caution when unloading machine as products will be hot.</li> <li>8. Visual inspection is required to ensure complete removal of soil.</li> <li>9. If product still shows soil repeat program.</li> </ol> </li> </ol>
<b>Disinfection:</b>	<ul style="list-style-type: none"> <li>• The thermal disinfection stage of an automated washer is sufficient for disinfection of the cleaning brushes. Minimum temperature should be 180°F and not exceed 200°F.</li> <li>• Brushes may be disinfected with liquid chemical sterilants in accordance with the disinfection manufactures' IFUs. Be sure to check material compatibility information from the disinfectant manufacturer.</li> </ul>
<b>Drying:</b>	
<b>Maintenance, inspection, and testing:</b>	<ul style="list-style-type: none"> <li>• Inspect for wear, fraying or damaged bristles. If observed, the brush should be discarded in compliance with the disposal instructions described above.</li> <li>• Brushes should also be inspected between uses for any residual organic soil that may cross contaminate the next device cleaned. If there is visual soil, the brush should be cleaned in accordance with the method(s) described below.</li> </ul>
<b>Reassembly Instructions:</b>	
<b>Packaging:</b>	
<b>Sterilization:</b>	<ul style="list-style-type: none"> <li>• Terminal sterilization of brushes is not normally necessary. However, these brushes are compatible with steam sterilization.</li> <li>• If steam sterilizing, use standard FDA cleared cycles: 270F/4 minutes or 275F/3 minutes.</li> </ul>
<b>Storage:</b>	Avoid brush compression during sterilization and storage.
<b>Additional Information:</b>	Follow all manufacturers' directions for proper usage and disposal of all cleaning agents and chemical disinfectants agents.

<b>Related Healthmark Products</b>	Brush Cleaning Tools
<b>Other Product Support Documents</b>	Prosys Brochure, Prosys Pricelist
<b>Reference Documents</b>	
<b>Customer Service contact:</b>	Healthmark Industries Company, Inc 33671 Doreka Fraser, MI 48026 1-586-774-7600 <a href="mailto:healthmark@hmark.com">healthmark@hmark.com</a> <a href="http://hmark.com">hmark.com</a>