healthmark
INDUSTRIES CO.
health care products
800-521-6224
www.hmark.com

Instructions for Use: LTA MicroFlex Brush

Brand Name of Product	LTA MicroFlex Brush
Generic Name of Product	Channel Brushes
Product Code Number(s)	730-20, 730-50, 740-30, 740-50, 740-75, 750-30, 750-50, 750-75, 760-30, 760-50, 760-75, 770-30, 770-50, 770-75, 780-30, 780-50, 780-75
Intended Use	For cleaning internal channels.
Range of Applications for Product	
Key Specifications of Product	

Components for item code 740 and 750	**Material**
Flexible wire	Technical metallic Alloy
Wire coating	Technical Thermoplastic
Connection	Stainless steel
Protection cap	Stainless steel
Fibers	Thermoplastic Compound with a low absorbency level
Wire	Stainless steel

Components for item code 760-770-780	**Material**
Ame Tige flexible	Technical metallic Alloy
Spring	Technical Thermoplastic
Connection	Stainless steel
Spring	Stainless steel
Protection cap	Stainless steel
Fibers	Thermoplastic Compound with a low absorbency level
Wire	Stainless steel

Shipping & Storage	
Shipping Conditions & Requirements	
Storage Conditions	
Packaging Contents	
Shelf Life	

Instructions for Using Product	
Description of Use (s)	For the cleaning of internal channels
Preparation for Use	• It is important to match the diameter and length of the brush you are using with the channel you are cleaning. • The Healthmark brush-sizing chart or similar type of tool may be used to select the proper diameter brush. • Insure the material composition of the brush bristles is suitable for the device to be cleaned. This should be in compliance with the device manufacturer's IFU for the device. • Brushes should be inspected prior to each use to be certain they are not worn, frayed or damaged if discrepancies are noted the brush should be discarded and not used. • 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.
Diagrams (drawings, pictures)	
Steps for Use of Product	• Consult the manufacturer's IFU for the device you are cleaning and follow those instructions closely. • Insert the brush by non-brush end into the working channel and push until the brush exits the other side of the instrument. Then pull the brush in a traction motion.

	Brushes can be used for pushing when cleaning as well, however the traction method is recommended in order to get easy cleaning and avoid retro-contamination of the working channel.
Interpretation of Results	
Contraindications of Test Results	
Documentation	
Special Warnings and Cautions	• Tube style brushes are intended for use as cleaning tools only. They are not for use in patient care or aseptic techniques. • When inserting in channel do not hold brush at compromising angle that would cause it to bend. • Not to be used for cleaning plastic and/or fragile materials such as silicone. • Always protect yourself from brush splatter and contamination. • Clean between each use and disinfect at least daily, preferably between each use in order to limit the chance for cross contamination. See instructions for reprocessing below.
Disposal	Because MicroFlex brushes are used to clean patient used medical devices, it is recommended to dispose of them in the biohazard container with other contaminated devices.

Reprocessing Instructions	
Point of Use	
Preparation for Decontamination	1. Rinse gross contaminates from the brush in a deep sink and a spray apparatus, such as a shower gun. 2. Use the facilities cold water supply for this rinsing.
Disassembly Instructions	
Cleaning – Manual	• 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.). • The IFU for the cleaning agent should be followed closely to insure sufficient exposure time is allowed for the cleaning solution to work. • It is recommended that agitation accompany the cleaning process to improve results.
Cleaning – Automated	• Machine cleaning is recommended in a washer disinfector cleared by the FDA. • Products should be positioned in the washer to allow maximum water penetration and drainage. • No overlapping - partially covered devices will not be washed properly • 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. • Products can be cleaned with alkaline, acidic and neutral detergents. • For final rinse, DI or RO water is recommended. • The standard program to include: 1. Pre-wash with cold water (<100°F) rinse for a minimum of 2 minutes. 2. Washing cycle with alkaline or enzymatic detergent at temperature recommended by the detergent manufacturer for 5 minutes. 3. Washing cycle with neutral pH or neutralizing detergent at temperature recommended by the detergent manufacturer for 5 minutes. 4. Rinse cycle for 2 minutes (preferably with DI or RO water). 5. Thermal disinfection of up to 195°F in compliance with the washer manufacturer recommendations for time and temperature. 6. Drying cycle at temperature not to exceed 240°F. 7. Caution when unloading machine as products will be hot. 8. Visual inspection is required to ensure complete removal of soil. 9. If product still shows soil repeat program.
Disinfection	• 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. • 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. Should be compatible with nylon and with stainless steel.

Drying	
Maintenance, Inspection, and Testing	1. Inspect for wear, fraying or damaged bristles or the twisted wire shaft. If observed, the brush should be discarded in compliance with the disposal instructions described above. 2. Brushes should also be inspected between uses for any residual organic soil that may cross contaminate the next device cleaned. 3. Maximum recommended use life: 3 months
Reassembly Instructions	
Packaging	
Sterilization	• Terminal sterilization of brushes is not normally necessary. However, these brushes are compatible with steam sterilization. • 740: maximum number of recommended sterilization cycles is 30 cycles. • 750: maximum number of recommended sterilization cycles is 60 cycles. • If steam sterilizing, recommended cycles are: 270F/4 minutes or 275F/3 minutes. • Maximum sterilization cycle time is 30 minutes.
Storage	Avoid compression during sterilization and storage
Additional Information	Follow all manufacturers' directions for proper usage and disposal of all cleaning agents and chemical disinfectants agents.

Related Healthmark Products	Brush Cleaning Tools
Other Product Support Documents	ProSys™ Brochure, ProSys™ Price List
Reference Documents	
Customer Service Contact	Healthmark Industries Company, Inc. 18600 Malyn Blvd. Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com hmark.com