

Instructions for Use: Tube Brushes

Brand Name of Product	Tube Brushes
Generic Name of Product	Tube Brushes, Reamer Brushes, Trumpet Valve Brush
Product Code Number(s)	TR09503-3, TR09503-48, TR03020-3, 520335-12, ICB-001-1, ICB-001-50, ICB-001-6, ICB-002-1, ICB-002-50, ICB-002-6, ICB-003-1, ICB-003-50, ICB-003-6, TR350109-3, ICB-004-1, ICB-004-50, ICB-004-6, TR360231-3, ICB-005-1, ICB-005-50, ICB-005-6, TR350232-3, 10-1660, ICB-006-1, ICB-006-50, ICB-006-6, TR350233-3, 5203231-12, 520321S-12, 520333-12, ICB-007-1, ICB-007-50, ICB-007-6, TR350354-3, TR150221-3, TR350429-3, 520323-12, ICB-008-1, ICB-008-50, ICB-008-6, ICB-009-1, ICB-009-50, ICB-009-6, 130-14, TR150483-3, 4030, 520325-12, 10-1668, 10-1664, 4031, 520327-12, TR160617-3, 130-38, 4041-1, 4041-3, ICB-011-1, ICB-011-50, ICB-011-6, 9037702, ICB-012-1, ICB-012-50, ICB-012-6, ICB-010-1, ICB-010-50, ICB-010-6, 24-2-002, 4042-1, 4042-3, 4032, 4033, ICB-013-1, ICB-013-50, ICB-013-6, 9037703, 4034, ICB-014-1, ICB-014-50, ICB-014-6, 4035, 4036, 4037, 4038, 4039, SHV-07341-RM, SHV-07341-1, SHV-13015-RM, SHV-13015-1, ICB-02330-3, ICB-03030-3, ICB-04030-3, BRS-12-4, ICB-05030-3, ICB-06030-3, ICB-07061-3, ICB-05061-3, ICB-02561-3, TR52003-21-S, ICB-03246-3, ICB-01351-3, ICB-04248-RM, ICB-04230-RM, ICB-06248-RM, ICB-08030-RM, ICB-10031-RM, ICB-04248-12, ICB-04230-12, ICB-06248-12, ICB-10031-12, ICB-10061-3, ICB-08030-12, ICB-04046-12, ICB-01420-1, ICB-07761-1, ICB-10041-1, ICB-01420-RM, ICB-14041-1, ICB-16021-1, ICB-11033-1, ICB-11033-3, ICB-13061-1, ICB-13061-3, ICB-20041-1, ICB-25032-1, ICB-11033-RM, ICB-32033-1, ICB-38033-1, ICB-44040-1, ICB-51043-1, ICB-30039-3, ICB-09540-3, ICB-04841-1, ICB-04841-6, ICB-04841-50, ICB-06341-RM, ICB-06341-1, ICB-06341-6, ICB-06341-50, ICB-06361-1, ICB-06361-6, ICB-06361-50, ICB-16041-1, ICB-16041-6, ICB-16041-50, ICB-12841-1, ICB-12841-6, ICB-12841-50, ICB-11061-1, ICB-11061-6, ICB-11061-50, ICB-12541-1, ICB-12541-6, ICB-12541-50, ICB-21641-1, ICB-21641-6, ICB-21641-50, ICB-01446-1, ICB-01446-6, ICB-01446-50, ICB-01546-1, ICB-01546-6, ICB-01546-50, ICB-02046-1, ICB-02046-6, ICB-02046-50, ICB-02346-1, ICB-02346-6, ICB-02346-50, ICB-02746-1, ICB-02746-6, ICB-02746-50, ICB-03346-1, ICB-03346-6, ICB-03346-50, ICB-9039, ICB-9039-3, SHV-12715-1, SHV-12715-RM, SHV-19015-RM, SHV-19015-1, SHV-09033-1, SHV-09033-RM, SHV-37341-1, SHV-13016-1, RB181603, RB300105, RB310306, RB310307, BRS-TV, ICB-07041-3, ICB-10754-3, BRK-SHVR, ICB-13015-2, ICB-01050-3, ICB-01050-48, ICB-01050-RM
Purpose of Product	To assist in cleaning channels and lumens of cannulated items with a suitable cleaning solution per the manufacturer's (Mfr.'s) IFU.
Range of Applications for Product	Any cannulated item where brushing of internal channels is a recommended step (per the Mfr.'s IFU) in the cleaning process.
Key Specifications of Product	• Reusable. • Nylon bristles • Stainless-steel twisted wire • Variety of lengths and diameters.

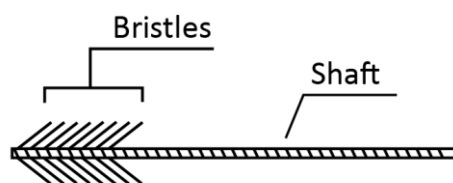
Shipping & Storage	
Shipping Conditions & Requirements	N/A
Storage Conditions	N/A
Packaging Contents	N/A
Shelf Life	N/A

Instructions for Using Product	
Description of Use(s)	N/A
Preparation for Use	• (Important) Match the diameter size of the brush with the channel being cleaned.

	• Use the <i>Healthmark Brush Sizing Chart</i> or similar type of tool to select the proper diameter brush. • (Critical) Select a brush longer than the channel to be able to exit the lumen/channel completely ensuring the entire channel receives cleaning action. • Brush bristle material composition should be in compliance with the item's Mfr.'s IFU) for use in the cannulated item to be cleaned. • Inspect Tube Brushes: ○ Prior to each use to ensure they are not worn, frayed, or damaged. (Discard/do not use the brush if discrepancies are noted.) ○ Check in-between brush 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)	N/A
Steps for Use of Product	Consult the Mfr.'s IFU of the item you are cleaning and follow the instructions closely. (Important) Ensure the brush is long enough to exit the lumen/channel completely. (NOTE: When brushing [between each step], examine the bristles and clean them before use, again.) 1. Insert the cleaning brush into the lumen using short strokes and a twisting motion (helical spinning of the brush) to help remove debris from the lumen. 2. Feed the brush through the lumen until it emerges from the distal end. 3. Brushing should pass the brush freely through the lumen. a. Stop advancing the brush if significant resistance is encountered and pull back. b. Brushing through resistance might cause damage to the lumen. (NOTE: See Brush Support White Paper click here.)
Interpretation of Results	N/A
Contraindications of Test Results	N/A
Documentation	N/A
Special Warnings and Cautions	• Tube-style brushes are intended for use as cleaning tools only. • ⚠ DO NOT use for patient care or aseptic techniques. • Brushes are to be thoroughly cleaned during and between use and should be disinfected at least daily (preferably between each use). (NOTE: See "Reprocessing Instructions" below.) • ⚠ DO NOT brush through resistance/force the brush to avoid damage to the lumen. • ☠ Consider dirty tube brushes as biohazardous.
Disposal	It is recommended to dispose of tube brushes in ☠ biohazard containers since tube brushes are used to clean patient used items.

Reprocessing Instructions	
Point of Use	N/A
Preparation for Decontamination	Rinse gross contaminants from the brush in a deep sink using cold water.
Disassembly Instructions	N/A
Cleaning – Manual	• <i>Clean brushes manually:</i> use a high-alkaline instrument detergent or a neutral enzymatic detergent (e.g., protease, lipase, etc.) cleaning agent suitable for the soil types the brush may come in contact with during brushing. • <i>Follow the cleaning agent's IFU:</i> ensure sufficient exposure time is allowed for the cleaning solution to work. • <i>Agitate the brush during the cleaning process:</i> recommended to improve cleaning results. Accomplish this by swishing the brush and physically rubbing the bristles in the cleaning solution between gloved fingers.
Cleaning – Automated	• Position products in the washer to allow maximum water penetration and drainage. • <i>No overlapping:</i> partially covered items will not be washed properly. • Secure brushes in some way (i.e., a wire or perforated tray that has a wire or perforated

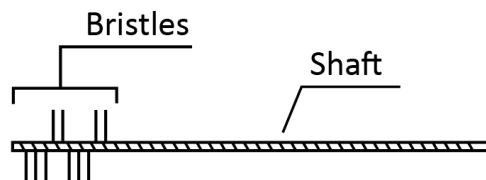
	lid and bottom) to prevent brushes from blowing around in the wash chamber during cleaning. A container (e.g., brush cleaning tube from Healthmark) is a suitable solution. ● Select the Instrument Cycle of the Washer Disinfector. ● <i>Recommended:</i> rinse with Critical Water for the final rinse.
Disinfection	● <i>The thermal disinfection stage of an automated washer is sufficient for disinfection of the cleaning brushes.</i> ● <i>Brushes may be disinfected with liquid chemical disinfectants in accordance with the disinfectant Mfr.'s IFUs.</i> ○ Check the material compatibility information from the disinfectant Mfr. ○ Disinfectants should be compatible with nylon and stainless steel.
Drying	N/A
Maintenance, Inspection and Testing	● Inspect for wear, fraying, damaged bristles, and the twisted-wire shaft. (NOTE: If any are observed, discard the brush in compliance with the disposal instructions above.) ● Examine brushes in between each device to be cleaned for any residual organic soil that might contaminate the next device. (NOTE: If there is visual soil, the brush should be cleaned in accordance with the method(s) described above.) ● Do not use the brush if bristles are absent from their original positions. ● Compare the used brush to a non-used (new) brush. If they are different (e.g., bent shaft, missing bristles, etc.), do not use the brush and get a new brush to continue the cleaning process. ● Example (Fig. A) of a normal brush for use: A line drawing of a brush. On the left, a rectangular block of vertical lines represents the bristles. A horizontal line extends to the right from the base of the bristles, representing the shaft. The shaft is straight and parallel to the base of the bristles. Normal Brush Figure A ● Examples (Figs. B–D) below show what damaged brushes look like, compared to a new brush, which should not be used: A line drawing of a brush, similar to Figure A, but the shaft is bent at an angle. The bristles are on the left, and the shaft extends to the right, but it is angled upwards relative to the base of the bristles. Damage to the shaft Figure B ○ Do not use if the shaft is bent in any way from the original position.



Fallen bristles

Figure C

- Do not use if bristles are fallen and not upright compared to original position.



Loose or missing bristles

Figure D

- Do not use if bristles are missing in spots/location(s) from the original position.

Reassembly Instructions	N/A
Packaging	N/A
Sterilization	N/A
Storage	N/A
Additional Information	Follow all Mfr.'s directions for proper usage and disposal of all cleaning agents and chemical disinfectant agents.

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