dragontail™

Microfiber Endoscopic Channel Brush

Split microfiber is 1/100th the thickness of a human hair.

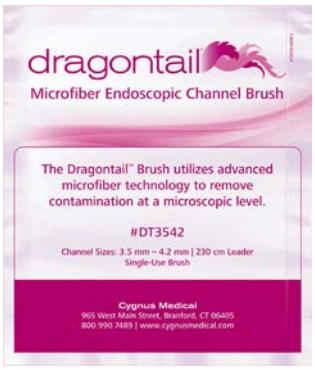
Advanced microfiber technology removes contamination at a microscopic level.

The Dragontail cleaning element is constructed of lint-free Draco™ microfiber strands that are able to capture particles at a 4 micron level. Unlike bristles or silicone disks, which glide over adhered contamination, the microfiber cleaning element detaches, captures and removes gross contamination.

In a comparative study, under identical conditions, the Dragontail Channel Brush cleaned 468 times more contamination than a traditional style channel brush. Test results and photos on the back of this page.

- Order #: DT2022
  For Channel Sizes: 2.0 mm – 2.2 mm
  Leader Length: 110 cm
  Units / Case: 100 Brushes

- Order #: DT2832
  For Channel Sizes: 2.8 mm – 3.2 mm
  Leader Length: 230 cm
  Units / Case: 100 Brushes



- Order #: DT3542
  Channel Sizes: 3.5 mm – 4.2 mm
  Leader Length: 230 cm
  Units / Case: 100 Brushes

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Independent Lab Comparative Brush Study | Protein Analysis

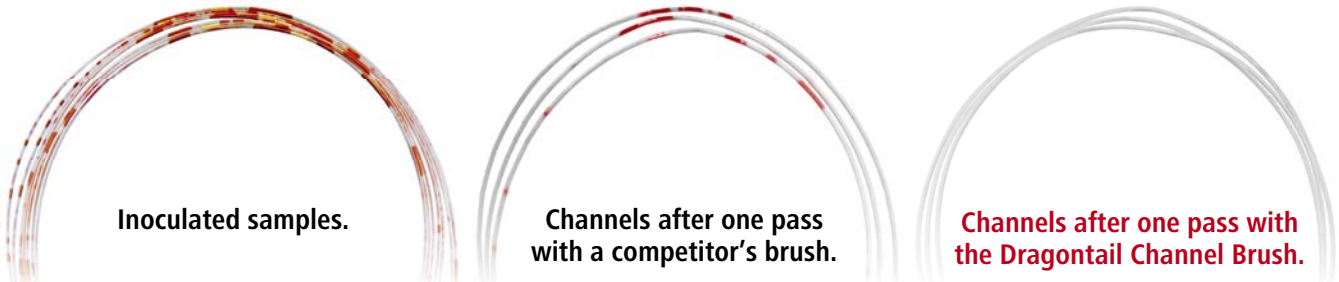
The artificial test soil used to inoculate the cleaning channels mimicked the worst case contaminants (blood and proteins) that may come in contact with a medical device and remain on the device after clinical use.

Three inoculated channels were cleaned with the Dragontail Brush and three inoculated channels were cleaned with a Competitor's Brush. The procedure – one channel brush and one inoculated channel were submerged in sterile water. The brush was pulled through one time, under sterile water without the use of detergents or rinsing. This test was repeated using a different inoculated channel with a fresh channel brush each time.

Test Results:

Residual Protein in the Cleaning Channel (µg = micrograms)			
SAMPLE ID		TEST SAMPLES	NEGATIVE CONTROL
Residual protein in the cleaning channel after using the **Dragontail Channel Brush.**	Channel 1	**56 µg**	Less than 10 µg
	Channel 2	**70 µg**	
	Channel 3	**Less than10 µg**	
Residual protein in the cleaning channel after using a **Competitor's Channel Brush.**	Channel 1	23,475 µg	Less than 10 µg
	Channel 2	14,398 µg	
	Channel 3	21,121 µg	
Cleaning channel **Positive Control.**		295,649.037 µg Protein embedded in FDA test soil.	

Residual Protein in the Cleaning Channel – % Reduction and Log Reduction			
SAMPLE ID		% REDUCTION	LOG REDUCTION
Residual protein in the cleaning channel after using the **Dragontail Channel Brush.**	Channel 1	99.98%	3.8
	Channel 2	99.97%	3.7
	Channel 3	99.99%	4.5
Average		**99.98%**	**4.0**
Residual protein in the cleaning channel after using a **Competitor's Channel Brush.**	Channel 1	92.06%	1.1
	Channel 2	95.13%	1.3
	Channel 3	92.86%	1.2
Average		**93.35%**	**1.2**



Inoculated samples.

Channels after one pass with a competitor's brush.

Channels after one pass with the Dragontail Channel Brush.