

Summary of Scientific Papers

University Hospitals Birmingham **NHS** (2012 03)
NHS Foundation Trust

The Birmingham study assessed the performance of a Pull Thru™ after one (1) pass through a pre contaminated channel against a bristle brush after five (5) passes through the channel using a Ninhydrin test to measure detectable protein and a visual inspection was made to detect soil

The results indicate that a single pass of the PULL THRU™ is as effective as 5 passes of the bristle brush tested against

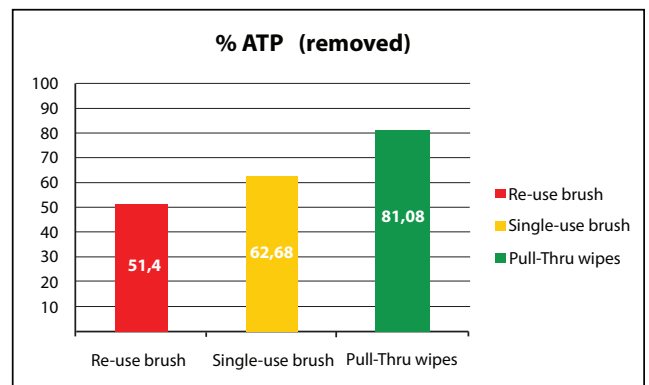
Test	Pull Thru Device			Cleaning Brush		
	Number of passes	Visual Inspection	Ninhydrin test	Number of passes	Visual Inspection	Ninhydrin test
1	1	No soil	Negative	>5	Scanty soil	Negative
2	1	No soil	Negative	>5	Scanty soil	Negative
3	1	No soil	Negative	>5	Scanty soil	Negative
4	1	No soil	Negative	>5	Scanty soil	Negative
5	1	No soil	Negative	>5	Scanty soil	Negative
6	1	No soil	Negative	>5	Scanty soil	Negative
7	1	No soil	Negative	>5	Scanty soil	Negative
8	1	No soil	Negative	>5	Scanty soil	Negative
9	1	No soil	Negative	>5	Scanty soil	Negative
10	1	No soil	Negative	>5	Scanty soil	Negative

deventer ziekenhuis Deventer Study (2011 11)

The Deventer study compares the amount of protein removal in the channel of a range of colonoscopes after brushing with a reusable bristle brush, a single use bristle brush and a PULL THRU

The device was passed down the channel of the colonoscope once when the scope was manually cleaned

The protein loading in the channels was measured prior and subsequent to cleaning see Page 7 for the technique and pages 14-16 for the results



The results on Page 6 show the performance of the three devices

Charlton Study, Aust Infect Control 2007; 12(3):81-90 (2007)

The Charlton study measures the weight of pre loaded soil removed after a single pass of the PULL THRU versus six passes of the bristle brushes the comparison was made against

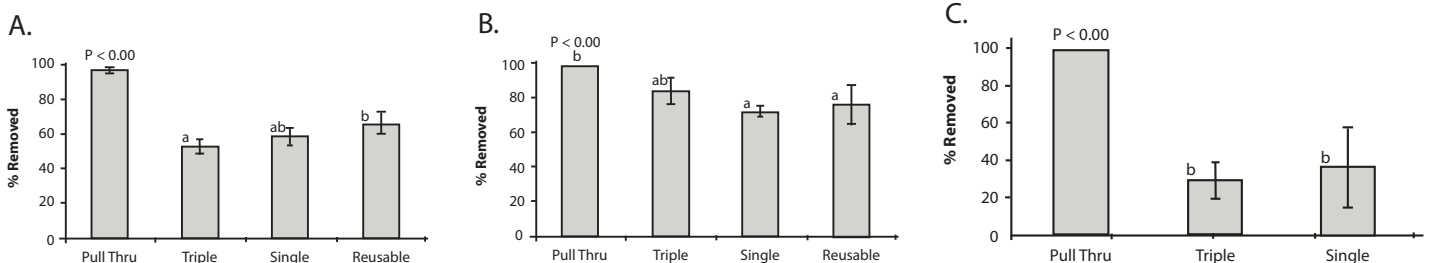


Figure 3. Percent of soil removed (Mean ± SD) from the lumen after passage of the lumen-cleaning device.: A. 2.8 mm (new) lumen, B. 2.8 mm (old) lumen, C. 5.0 mm (old) lumen.