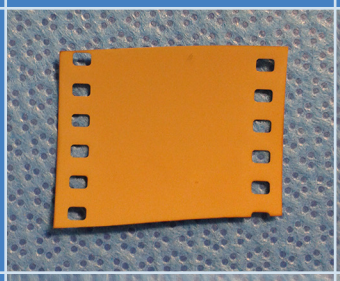
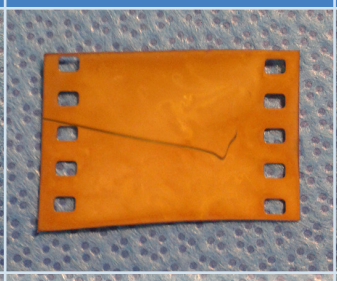
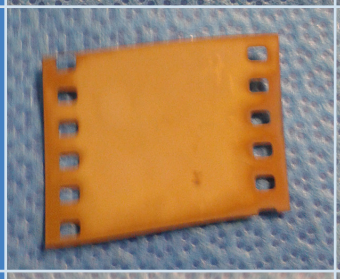
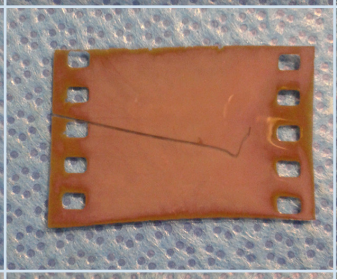
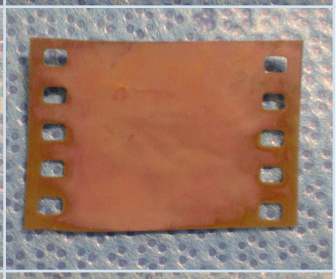
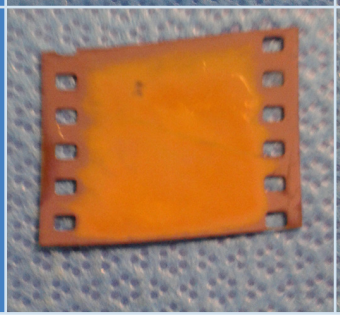
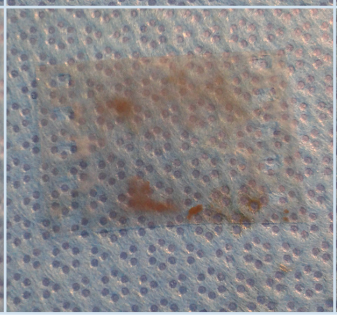
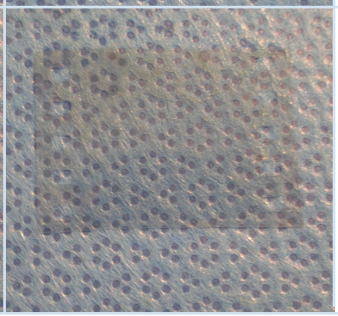
PureChannel™ Flush

Competitive Enzymatic Effectiveness Demonstration

One of the most important steps in medical device reprocessing is removing bio-burden from channeled devices. Many enzymatic products claim effectiveness at breaking down bio-burden faster and with less detergent. In practice, many of these detergents are less effective with added amounts of enzymatic solution. If your chemistry is ineffective, maunual cleaning and sterilization are not assured. The experiment: Film strips are coated in protein, making them a stand-in for proteins we find in the manual cleaning process (blood, tissue and fecal matter). We placed 4.2 ml of each enzymatic solution in 500 ml of 115F degree water according to approved directions from each enzymatic and then added our film strips. Pictures shown before, after 3, 6 and 10 minutes show the effectiveness of each enzymatic.

A comparison among three different, widely used healthcare brands provides hard evidence of the real effectiveness of these solutions. To compare, film strips were bronze-brown before soaking in enzymatic solution. Temperature, water level, timing and detergent dilution rates were all kept constant and according to manufacturer specifications.

	BRAND A	BRAND B	PURECHANNEL™FLUSH	RESULTS
3 minutes				PureChannel Flush and Brand B show the start of protein breakdown while Brand A remains unaffected.
6 minutes				Brands A and B are starting to show signs of wear around the edges of the film strip. PureChannel Flush has made more progress in breakdown.
10 minutes				Brand A still has not removed the proteins on the strip. Brand B has shown progress but still shows a residue. PureChannel Flush has removed all the protein and residue, completely cleaning the film strip.