CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2019
DateRun:	03/19/2019
Experimenters:	Ted Kearney
ClientType:	
ProjectNumber:	Project #2
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Blood
Cleaning Methods:	Immersion/Soak
Analytical Methods:	Gravimetric
Purpose:	To evaluate the removal of synthetic blood from stainless steel substrates
Experimental Procedure:	Three pre-weighed stainless-steel coupons were coated with about 0.5 g of synthetic blood using a cotton swab and allowed to air dry (68F) for 24 hours. Dirty weights were recorded before immersing coupons into the RTU cleaner provided by the Case Medical at room temperature (68F) for 5 minutes. Coupons were rinsed three times in a de-ionized water bath for one minute and dried for 24 hours before recording the final weights.
Results:	Biogone Disinfectant efficiently removed synthetic blood from stainless steel coupons gravimetrically. While the substrates were being immersed, the cleaner visually changed to a pinkish color showing an indication of partial soil removal. Each coupon had a visible spotted residue after immersion. Once the coupons were rinsed and air dried, the residue was minimal.

Cleaner	Substrate	Initial Weight of Cont	Final Weight of Cont	% Cont Removed	% Average
Biogone Disinfectant RTU	Stainless Steel	0.0059	0.0003	94.9%	97.2%
		0.0059	0.0001	98.3%	
		0.0121	0.0002	98.3%	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Blood				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Case Medical Inc.	BioGone Cleaner/Decontaminator	100	97.20	☑	

Conclusion: The cleaner, Biogone Disinfectant RTU, was effective in removing synthetic blood from stainless steel coupons with an overall average removal of 97%. The results were verified with visual observations.