

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2019

DateRun: 03/20/2019

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:	<b>Substrates:</b>	Stainless Steel				
	<b>Contaminants:</b>	Blood				
	<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
	Case Medical Inc.	BioGone Cleaner/Decontaminator	100	97.20	<input checked="" type="checkbox"/>	

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.