

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2018
 DateRun: 09/15/2018
 Experimenters: Sabrina Apel
 ClientType:
 ProjectNumber: Project #2
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Blood
 Cleaning Methods: Immersion/Soak
 Analytical Methods: Gravimetric

Purpose: To evaluate effectiveness of the provided cleaner in regards to removing synthetic blood from stainless steel.

Experimental Procedure: Three pre-weighed stainless-steel coupons were coated with synthetic blood using a swab and allowed to air dry (68 F) for 24 hours. Dirty weights were recorded before immersing coupons into the RTU cleaner provided by the company at room temperature (68 F) for two 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:

Cleaner	Substrate	Initial wt. of cont.	Final wt. of cont.	%Cont. Removed	% Average
Biogone Disinfectant RTU	Stainless Steel	0.0046	0.0012	73.91	75.74
		0.0039	0.0008	79.49	
		0.0042	0.0011	73.81	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Blood				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Case Medical Inc.	BioGone Cleaner/Decontaminator	100	75.74	<input checked="" type="checkbox"/>	

Conclusion: The cleaner, Biogone Disinfectant RTU, was ineffective in removing synthetic blood from stainless steel coupons with an overall average removal of 76%. The results were verified with visual observations.