CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 36

DateRun: 02/10/2026

Experimenters: Tatyanna Moreland Junior, Alexander Symko, Amelia Wagner

ClientType:

ProjectNumber: Project #8

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Blood

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Evaluate the efficacy of Client's cleaner formulations on the removal of synthetic blood soil from a stainless steel substrate.

Experimental Procedure: 15 pre-weighed stainless-steel coupons were coated with synthetic blood using a swab and were allowed to air dry (68 F) for 24 hours. The supplied cleaner concentrates were then diluted by a ratio of 0.5 oz/ gallon of water. Dirty weights were then recorded. The contaminated coupons were immersed in their respective cleaner at room temperature for two minutes. Following immersion, coupons were rinsed three times in a de-ionized water bath for one minute and dried for 24 hours before the final weights were recorded.

Results:

Cleaner	Initial	Dirty	Clean	Intl wt of ct	Final wt of ct	% removed	%
Supernova 1.0	63.8714	63.8792	63.8725	0.0078	0.0011	85.90	9
	63.9393	63.9493	63.9397	0.0100	0.0004	96.00	
Multizyme	63.8521	63.8615	63.8524	0.0094	0.0003	96.81	8
	63.6668	63.6790	63.6699	0.0122	0.0031	74.59	
Caseprep	62.6034	62.6131	62.6040	0.0097	0.0006	93.81	9
	62.3778	62.3865	62.3785	0.0087	0.0007	91.95	
Pentazyme	63.7648	63.7720	63.7656	0.0072	0.0008	88.89	8
	63.6810	63.7035	63.6866	0.0225	0.0056	75.11	
Pentaprep	60.8186	60.8275	60.8188	0.0089	0.0002	97.75	8
	60.4487	60.4592	60.4509	0.0105	0.0022	79.05	

Summary:

Substrates:	Stainless Steel
Contaminants:	Blood

Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Case Medical Inc.	SuperNova .1 NpHD Neutral Detergent-CSNB01G	0.5 oz/ gal	90.81	☑	
Case Medical Inc.	SuperNova .1 Multi-Enzymatic Cleaner-CSNC01G	0.5 oz/ gal	84.98	☑	
Case Medical Inc.	CasePrep Non-Enzymatic Pre-Soak Spray	0.5 oz/ gal	92.88	☑	
Case Medical Inc.	Pentazyme Multi-Enzymatic Cleaner	0.5 oz/ gal	81.71	☑	
Case Medical Inc.	Pentaprep Multi-Enzymatic Pre-Soak Spray	0.5 oz/ gal	87.90	☑	

Conclusion: Based on the results of this report, Caseprep and Supernova 1.0 were the most effective at removing the blood soil from the substrate, but all cleaners attained a high level of cleanliness (>80% removal) and as such can all be considered effective in the cleaning application.