CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	01/24/2002
Experimenters:	Jason Marshall
ClientType:	Medical Instrument Mfr
ProjectNumber:	Project #1
Substrates:	Titanium, Zirconium
PartType:	Part
Contaminants:	Paints
Cleaning Methods:	Media Blasting
Analytical Methods:	Visual, microscopic
Purpose:	To evaluate media blasting for epoxy paint removal.
Experimental Procedure:	Several precontaminated parts were cleaned between 5 and 10 minutes in the media blasting unit. The baking soda unit operated between 85-105 psi. After the parts were cleaned, a 5 second rinse was performed with a tap water spray at 70 F. Parts were wiped with a paper towel followed by a 1 minute heat gun drying cycle at 500 F. Parts were inspected using a microscope.
Results:	Upon inspection under the microscope, parts cleaned with the baking soda appeared to be free of the epoxy paint. There was good removal on the rough surfaces. The thick coatings required substantial time for removal.

Summary:

Substrates:	Titanium, Zirconium				
Contaminants:	Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	0.00	☑	

Conclusion: Baking soda was successful in removing the epoxy paint from the supplied parts.