

CASE STUDY - Chematic® 570 CLEANING BLOOD FRACTIONATION RESIDUES

DOBER

CLEANING ALBUMIN, 25% BUMINATE & CRYO PRECIPITATE WITH NON-CHLORINATED CLEANING AGENT

CLEANING WITH EXISTING METHOD

It is common for blood fractionation equipment cleaning programs to include [chlorine-based cleaning agents](#).

The concern of the stainless steel developing [pitting, rouging and premature gasket failure](#) led this customer to evaluate alternative cleaning agents for its equipment in a new building.

The site expected cleaning with a [non-chlorinated cleaning agent](#) to achieve the same results as their current chlorinated detergent at temperatures of 40°C – 45°C. Commonly used highly alkaline cleaning agents were evaluated and failed to clean the Albumin, 25% Buminat & Cryo precipitate leaving behind residue and staining on the stainless steel surfaces.

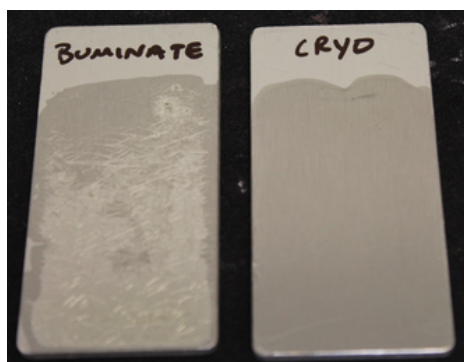
CHEMATIC® SOLUTIONS & RESULTS

Dober evaluated the comparative cleaning of [custom-developed Chematic® 570](#) along with other alkaline cleaners.

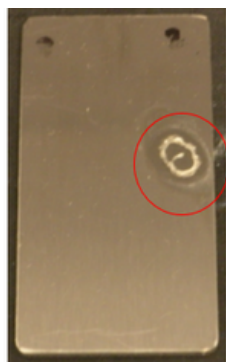
The results of the comparative studies showed cleaning was achievable at 40°C – 45°C with 1% - 2% Chematic® 570.

[Failure was observed with the non-customized highly alkaline cleaner](#), even with the change in temperature and concentration.

The results of the cleaning evaluation provided the customer with an option to have a non-chlorinated cleaning agent. The Chematic® 570 was chosen for implementation due to its cleaning abilities, and the [reduced risk of pitting & rouging](#) of the site's new assets.



SOILED COUPONS



RESULT WITH ALKALINE CLEANER



CLEANING WITH CHEMATIC®

CHEMATIC® CLEANER ADVANTAGE

Cleaning achieved with customized Non-Chlorinated detergent

[Equipment safety due to reduced risk of pitting or rouging](#)

Decrease in cleaning water consumption by reducing cleaning steps

[Lower cleaning temperatures = Lower energy usage](#)