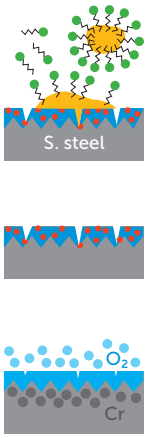
DECOMET

Liquid product, citric acid based, for the passivation of all grades of medical stainless steel. Removes iron oxides and accelerates the formation of a chromium passivation film.

MEDICAL RANGE

FUNCTION	APPLICATION/POLLUTION
Soaking passivation process	Iron oxides

PASSIVATION STEPS



Surface cleaning: water + Galvex 20. 01

Fe_2O_3 removal with Decomet

Passivation: Cr_2O_3

COMPATIBILITY

- Stainless steel:
  - Austenitic
  - Martensitic
  - Precipitation hardening
- Ceramics
- Chromium - Cobalt
- Titanium
- Aluminium
- Polymer*

*Check compatibility with NGL.

COMPONENTS

- Citric acid, surfactants
- No CMR compounds, REACH compliant

PHYSICOCHEMICAL DATA

- pH concentrated: 1.00
- Density: 1.17
- Surface tension: 31.2 mN/m

INSTRUCTIONS FOR USE*

See ASTM 1967 - 17 for process recommendations.

- Concentration: 10 to 20%
- Temperature: 20 to 70°C (68-158°F)
- Time: 4 to 20 minutes

*Dependent on the quality of the water and the nature and quantity of contaminants.

STORAGE CONDITIONS

- Keep the recipient hermetically sealed between 5°C and 40°C (41°F and 104°F) in a dry place.
- Always keep in packaging made from the same material as the original packaging (HDPE).

PRODUCT COMPATIBLE WITH VALIDATION STANDARDS

- Cleaning:
  - ISO 19227 - 2018
  - ASTM F3127 - 16
- Characterization of inorganics:
  - ISO 10993 - 18
- Stainless steel passivation:
  - ASTM A967 - 17
  - ASTM F1089 - 18

PROCESS EXAMPLE

- Surface preparation before passivation of medical devices

CLEANING		PASSIVATION				
GALVEX 20.01 Tap water Conc.: 2-5% Temp.: 40-70°C 104-158°F Time: 3-5 min	TAP WATER RINSE Temp.: 20-30°C 68-86°F Time: 3-5 min	DECOMET* DI water Conc.: 10-20% Temp.: 20-70°C 68-158°F Time: > 4 min	TAP WATER RINSE Temp.: 20-30°C 68-86°F Time: 3-5 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 3-5 min	DI WATER RINSE Temp.: 20-30°C 68-86°F Time: 3-5 min	HOT AIR DRYING
US		*see ASTM A967				

If you have any questions, please contact our Application Centre on: +41 22 365 46 66

15/05/24

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SWISS QUALITY