

Citro Plus

Hemodialysis Machine Terminal Disinfectant





6106 - CITRO PLUS™

Hemodialysis Machine Terminal Disinfectant

For Heat Disinfection of Haemodialysis Machines with Recirculation

After each hemodialysis treatment, the system hydraulics must be disinfected with a decalcifying disinfectant to remove calcifications and microorganisms. Otherwise, malfunctions may occur depending on the concentrates used and the bicarbonate concentration.

CITRO PLUS™ is used for chemo-thermal disinfection (a combination of chemical and heat disinfection) of haemodialysis machines with recirculation. CITRO PLUS is a very strong and effective disinfectant because of the synergistic effects of its ingredients.

CITRO PLUS™ is designed for thermochemical disinfection in haemodialysis machines, e.g. Fresenius haemodialysis system 4008 or Fresenius therapy system 5008. Thermochemical disinfectant for haemodialysis machines with proportional mixing system and recirculation function. It is fully compatible with Fresenius 4008 and 5008 series machines.

Advantages of CITRO PLUS™

- Disinfection and decalcification in one process
- Natural materials used as active ingredients: citric acid, malic acid, lactic acid
- Biodegradable, non-toxic
- Safe for health and environment
- Light lemon scent, colourless

Mechanism Of Antimicrobial Action Of Citric Acid

Destruction of the phospholipid layers in the cell membrane; disturbance of the intracellular pH balance; formation of Ca/Mg salts or salt complexes in the case of citric acid; activity strongly increased by an increase in temperature.

Microbiological Properties

The synergistic effect of its components makes **CITRO PLUS™** a potent disinfectant solution. **CITRO PLUS™** at 84°C has a broad spectrum of microbiocidal activity and works bactericidal, virus inactivating (HBV, HCV, HIV) and fungicidal. A 3% **CITRO PLUS™** solution is bactericidal, fungicidal, virucidal and sporocidal at 84°C.

Warning

However, **CITRO PLUS™** cannot develop any disinfecting action if used at room temperature. To be used according machine instructions at elevated temperatures only.

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Composition (100g Citro Plus contains)

Citric acid (21 %), lactic acid, malic acid, buffers, preservative agents, distilled water. Does not contain phenol and phenol derivates, glutaraldehyde, quaternary ammonium salts, active chlorine ve other halogen compounds.

Shelf Life	Storage	Packaging	Order Information
2 Years	5-25 °C	5 L canister x 4	06106-5000x4

Citro Plus™ Features

Active Ingredients	Citric acid, malic acid, lactic acid	
Antimicrobial Action	Heat disinfectant at 84 °C	
Decalcifying	Yes	
Cleaning	Yes	
Compatibility	No restriction	
Storage	2 years at 5-25 °C	
Odour	Light lemon odour	
Testing of residual disinfectant	Not required	
Dilution ratio	1+24	
Consumption 4008 without/with filter	Approximately 50/66 ml	
Consumption 4008 Online plus/5008/5008S	Approximately 82/96/90 ml	



Processes are managed and audited according to ISO 9001: 2008 and ISO 13485: 2012 quality management system standards. Moreover, strict quality control procedures, including tests of microbiological effectiveness according to European norms, are carried out in our laboratory.

Our canister mouth and cap are specially designed for hemodialysis machines (DIN 51). Strong references for our products being used for many years in the Turkish market can be submitted upon request.





Distributor for India

Diacare Solutions

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