

AseptoRobot Des

Description

Powerful chlorinated alkaline cleaner and disinfectant for automatic milking systems (AMS), standard milking equipment and milk bulk tanks.

Strengths

AseptoRobot Des is an alkaline chlorinated liquid for cleaning and disinfection of AMS and other milking equipment

The application of **AseptoRobot Des** provides the following key benefits:

- Excellent disinfection properties
- Preferable for temperatures below 70°C
- Good material compatibility
- Low foaming, suitable for high water hardness
- Without phosphate and silicate

Properties

Appearance:	Light yellow liquid
Key ingredient(s):	Sodium Hypochlorite
pH at 20°C:	13.5 – 14.0
Density at 20°C(g/cm ³):	1.18 - 1.22
Storage temperature:	-15°C to +30°C

Application 1 What: AMS cleaner and disinfectant
 When: After milking
 How: Follow the AMS cleaning routine.
 Use concentration: Same as above. Follow the AMS cleaning routine.
 Recommendation: To be used aligning with robot cleaning program in rotation with **HorolithRobot**.

Application 2 What: **Milking equipment** (non AMS) cleaner and disinfectant
 When: **Milking installation:** after milking
 Milk tanks: after emptying
 How: **AseptoRobot Des.** Rinse with water of drinking quality.
 Use concentration: 0.5 – 0.7% (minimum 10 min. at 40°C-50°C)
 Recommendation: To be used in daily rotation with **HorolithRobot**.

Disinfection

Application details

Germ	Use Concentration	Contact Time	Temp.	Interfering Substance
Bacteria (EN1276) Staphylococcus aureus (DSM 799) Pseudomonas aeruginosa (DSM 939) Escherichia coli (DSM 682) Enterococcus hirae (DSM 3320)	0.4% - 0.7%	10 min	40°C	1% skimmed milk (dirty)
Yeasts (EN1650) Candida albicans (DSM 1386)	0.4% - 0.7%	10 min	40°C	1% skimmed milk (dirty)

The product **AseptoRobot DES** was able to reduce viable counts of the test strain by a factor of >5 log (bacteria) and >4 log (yeast) at an application concentration of **0.4%** within **10 minutes** at **40°C** under simulated dirty conditions (1% skimmed milk).

Successfully tested under the aforementioned conditions according to EN1276 and EN1650.

Monitoring

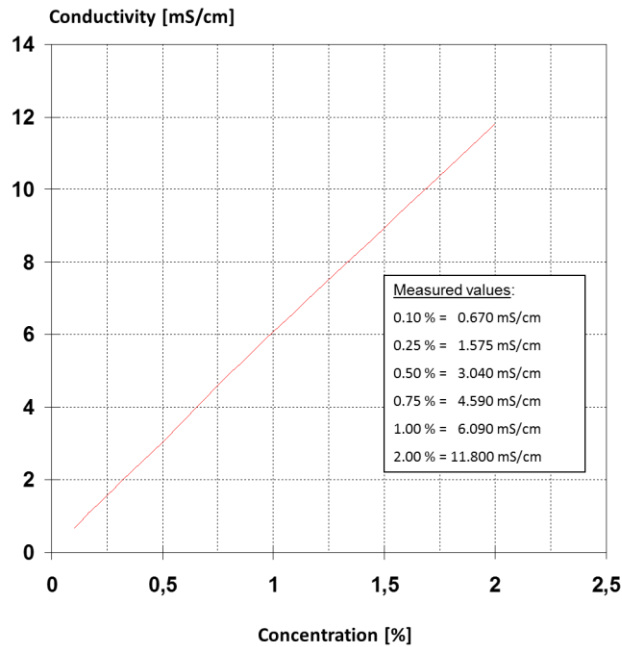
Concentration determination

Titration Receiving flask: 100 ml application solution
 Titration solution: 0.5N HCl
 Indicator: Phenolphthalein
 Titration factor: 0.45

Volume added in ml (0.5N HCl) x 0.45 = % **AseptoRobot Des**

Conductivity Specific conductivity of **AseptoRobot Des**

AseptoRobot DES (FC911960)
Spec. Conductivity (20 °C, 0 °d)
Temperature coefficient: α 2.03 %/°C



Material compatibility

Not affecting rubber of teat cups. Acceptable in combination with stainless steel, steel, rubbers and synthetics.

Safety & Precautions

The relevant hazards identifications of **AseptoRobot Des** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

Keep container tightly closed after use. Store in original container between 0°C and +50°C. Do not empty product into drain. Dispose of packaging only if emptied and closed.

Use biocides safely. Always read the label and product information before use.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **AseptoRobot Des** in ordinary use but can not be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

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