

IoShield®

Description Film-building product to be applied post-milking by dipping.

Strengths

IoShield® builds a visible and breathable protective film that cares for the teat after each milking.

- Its hypoallergenic properties make the teat skin soft and supple.
- Ensures high quality milk
- Cares for the skin and avoids irritations due to cold or dry weather

Properties

Appearance:	Dark brown liquid
Key ingredient(s):	Iodine (PVP), 0,15 g per 100 g
pH at 20°C:	5.0 – 5.5
Density at 20°C:	0.99 - 1.03
Storage temperature:	+5°C to +25°C



Application	What:	Teat disinfection
	When:	After milking
	How:	By dipping
	Use concentration:	Ready to use (RTU)
	Equipment:	ECOLAB's EasyDip Cup or any kind of dipping system
	Recommendation:	Apply product on the whole teat and do not wipe it. Keep the animals standing or walking for 5 min to ensure biocidal effects. Before the next milking, clean the teats by using ECOLAB's prefoaming or wiping technology.

Disinfection

Application details

IoShield® has been tested as follows:

Bactericidal efficacy at 30°C in accordance with DIN EN 1656 (suspension test)			
Test Organism	Contact time	Log Reduction Factor	Dirty conditions
	[min]	[LogR]	[1% skim milk]
Gram-positive bacteria			
<i>Staphylococcus aureus</i> (DSM 799)	1	≥5	RTU
<i>Streptococcus uberis</i> (ATCC 19436)	1	≥5	RTU
Gram-negative bacteria			
<i>Escherichia coli</i> (DSM 682)	1	≥5	RTU

Yeasticidal efficacy at 30°C in accordance with DIN EN 1657 (suspension test)			
Test Organism	Contact time	Log Reduction Factor	Dirty conditions
	[min]	[LogR]	[1% skim milk]
<i>Candida albicans</i> (DSM 1386)	5	≥4	RTU

Microbial efficacy at 20°C in accordance with DIN EN 1500 (surface test)			
Test Organism	Contact time	Log Reduction Factor	
	[min]	[LogR]	
Gram-negative bacteria			
<i>Escherichia coli</i> K12 (DSM 11250)	5	Mean RF of reference not significantly higher than that of the product : The requirements of the standard were fulfilled	RTU

Microbial efficacy at 30°C in accordance with DIN EN 14476 (suspension test)			
Test Organism	Contact time	Log Reduction Factor	Dirty conditions
	[min]	[LogR]	[1% skim milk]
Gram-negative bacteria			
<i>Vaccinia virus - Elstree strain</i>	5	≥4	RTU

1) The microorganisms tested are in accordance with the guidelines laid down in the EN methodologies and in EN14885: Application of European Standards for chemical disinfectants and antiseptics. The species used are representative species that take into account their relevance to practical use, susceptibility for disinfectants and adequacy for laboratory testing.

Safety &

Precautions

The relevant hazards identifications of **IoShield®** are given in the 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 +5°C and +25°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 **IoShield®** in ordinary use but cannot 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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