

WHO recommended*
Hand-Rub formulation

SterloMaxTM I

RUB-IN-HAND DISINFECTANT & SANITIZER



Alcohol-based hand disinfectants are the worldwide gold standard for hygienic hand disinfection. **SterloMax I**, with 75% isopropyl alcohol, is committed to making infection control, efficient and convenient.

0.2 Micron Filtered



Product Properties

- **SterloMax I** liquid hand rub
- Alcohol based
- Disinfects and kills 99.9% germs
- Rapid and effective action against viruses, bacteria and fungi
- Fast acting
- Excellent skin tolerability even with long-term use
- No water required

Composition

Active Ingredients

Isopropyl Alcohol IP	75% v/v
Glycerol IP	1.45% v/v
Hydrogen Peroxide IP	0.125% v/v
Purified Water IP	q.s.

Uniqueness of Ingredients

Isopropyl alcohol:

Most common and widely used disinfectant within pharmaceuticals, hospitals, clean rooms, and electronics or medical devices

Glycerol:

Serves as an emollient to protect skin against dryness, dermatitis and helps preserve skin moisture

Hydrogen peroxide:

- A widely used biocide for disinfection, sterilization, and antiseptics
- Demonstrates broad-spectrum efficacy against viruses, bacteria, yeasts, and bacterial spores

Microbiology

- Bactericidal
- Virucidal against enveloped viruses (incl. HBV, HIV, HCV) adenovirus, Polyoma, Rota viruses
- Yeastical
- Tuberculocidal
- Mycobactericidal

Areas of application

- Rub 3ml in hands for 30 seconds for Hygienic Hand Disinfection
- Rub 6ml in hands for 90 seconds for Surgical Hand Disinfection
- Make sure hands are completely covered during application time
- Please give special attention for finger tips and thumbs
- For children under 6, use only under adult supervision
- Not recommended for infants

SN	Bacteria, Mycobacteria	
1	<i>Acinetobacter baumannii</i>	
2	<i>Acinetobacter baumannii</i>	ATCC 19606
3	<i>Acinetobacter baumannii</i>	Multidrug-resistant
4	<i>Acinetobacter calcoaceticus</i>	
5	<i>Acinetobacter lwoffii</i>	ATCC 15309
6	<i>Bacteroides fragilis</i>	ATCC 25285
7	<i>Burkholderia cepacia</i>	ATCC 25416
8	<i>Clostridium difficile</i>	ATCC 9689
9	<i>Cholera-Vibrionen</i>	
10	<i>Citrobacter freundii</i>	
11	<i>Enterobacter cloacae</i>	ATCC 13048
12	<i>Enterobacter cloacae</i>	
13	<i>Enterobacter cloacae</i>	ATCC 13047
14	<i>Enterococcus faecalis</i>	ATCC 29212
15	<i>Enterococcus faecalis</i>	Vancomycin-resistant
16	<i>Enterococcus faecium</i>	ATCC 19434
17	<i>Enterococcus faecium</i>	Antibiotic resistant
18	<i>Enterococcus faecium</i>	Vancomycin-resistant
19	<i>Enterococcus hirae</i>	ATCC 10541
20	<i>Escherichia coli (K 12)</i>	NCTC 10538
21	<i>Escherichia coli</i>	ATCC 25922
22	<i>Escherichia coli</i>	ATCC 10536
23	<i>Escherichia coli</i>	ATCC 11229
24	<i>Escherichia coli</i>	CNCTC Ee 324 / 70
25	<i>Escherichia coli EHEC</i>	DSM 8579
26	<i>Escherichia coli</i>	0157: H 7
27	<i>Escherichia coli</i>	Multidrug-resistant
28	<i>Haemophilus influenzae</i>	ATCC 19418
29	<i>Klebsiella oxytoca</i>	ATCC 43165
30	<i>Klebsiella pneumoniae</i>	Multidrug-resistant
31	<i>Klebsiella pneumoniae</i>	ATCC 11296
32	<i>Klebsiella pneumoniae</i>	ATCC 4352

Areas of application

Ready-to-use alcohol based rub-in product independent of water and wash basin, to prevent infection, in all areas of health care and industry, where hygiene is important. It can also be used in home dialysis and travelling.

The Antimicrobial Spectrum

- 70 different strains of bacteria (Gm +ve and -ve)
- 14 antibiotic resistant strains
- 6 types of mycobacteria
- 7 types of fungi
- 18 types of viruses including HCV, Avian flu, Swine flu, Polyoma, Adeno, SARS and Ebola

33	<i>Klebsiella pneumoniae</i>	
34	<i>Listeria monocytogenes</i>	
35	<i>Listeria monocytogenes</i>	ATCC 7644
36	<i>Micrococcus luteus</i>	ATCC 7468
37	<i>Micrococcus luteus</i>	ATCC 9341
38	MRSA	ATCC 33592
39	<i>Mycobacterium smegmatis</i>	CFB 022
40	<i>Mycobacterium terrae</i>	ATCC 15755
41	<i>Mycobacterium tuberculosis</i>	ATCC 27294
42	<i>Mycobacterium tuberculosis</i>	ATCC 25618
43	<i>Mycobacterium tuberculosis</i>	Multidrug-resistant
44	<i>Mycobacterium tuberculosis</i>	H37Ra CIP 103471
45	<i>Proteus mirabilis</i>	ATCC 14153
46	<i>Proteus mirabilis</i>	ATCC 7002
47	<i>Proteus vulgaris</i>	
48	<i>Proteus vulgaris</i>	ATCC 13315
49	<i>Proteus vulgaris</i>	CNCTC PrO 10/52
50	<i>Pseudomonas aeruginosa</i>	ATCC 15442
51	<i>Pseudomonas aeruginosa</i>	ATCC 27853
52	<i>Pseudomonas aeruginosa</i>	Antibiotic resistant
53	<i>Pseudomonas aeruginosa</i>	
54	<i>Pseudomonas aeruginosa</i>	ATCC 15442
55	<i>Pseudomonas aeruginosa</i>	CNCTC Ps 79 / 70
56	<i>Pseudomonas aeruginosa</i>	HM 116
57	<i>Pseudomonas aeruginosa</i>	Multidrug -resistant
58	<i>Pseudomonas aeruginosa</i>	
59	<i>Pseudomonas aeruginosa</i>	
60	<i>Pseudomonas aeruginosa</i>	
61	<i>Pseudomonas aeruginosa</i>	
62	<i>Salmonella enteritidis</i>	
63	<i>Salmonella enteritidis</i>	ATCC 13076
64	<i>Salmonella typhimurium</i>	
65	<i>Salmonella typhimurium</i>	ATCC 13311

66	<i>Serratia marcescens</i>	
67	<i>Serratia marcescens</i>	ATCC 14756
68	<i>Serratia marcescens</i>	CNCTC Sm 29 / 80
69	<i>Shigella sonnei</i>	ATCC 11060
70	<i>Staphylococcus aureus</i>	
71	<i>Staphylococcus aureus</i>	ATCC 29213
72	<i>Staphylococcus aureus</i>	Vancomycin - intermediate resistant
73	<i>Staphylococcus aureus</i>	Antibiotic resistant (MRSA)
74	<i>Staphylococcus aureus</i>	ATCC 597
75	<i>Staphylococcus aureus</i>	ATCC 6538
76	<i>Staphylococcus aureus</i>	ATCC 9144
77	<i>Staphylococcus aureus</i>	CNCTC Mau 43 / 60
78	<i>Staphylococcus epidermis</i>	
79	<i>Staphylococcus epidermis</i>	ATCC 12228
80	<i>Staphylococcus haemolyticus</i>	ATCC 29970
81	<i>Staphylococcus hominis</i>	ATCC 27844
82	<i>Staphylococcus saprophyticus</i>	ATCC 15305
83	<i>Streptococcus faecalis</i>	
84	<i>Streptococcus faecalis</i>	ATCC 6057
85	<i>Streptococcus faecalis</i>	ATCC 10541
86	<i>Streptococcus pneumoniae</i>	
87	<i>Streptococcus pneumoniae</i>	ATCC 6303
88	<i>Streptococcus pneumoniae</i>	Penicillin-resistant
89	<i>Streptococcus pyogenes</i>	
90	<i>Streptococcus pyogenes</i>	ATCC 19615

SN	Fungi, Yeast	
1	<i>Aspergillus niger</i>	ATCC 6275 /70
2	<i>Candida albicans</i>	
3	<i>Candida albicans</i>	ATCC 10231
4	<i>Candida tropicalis</i>	STCC 1400
5	<i>Epidermophyton floccosum</i>	
6	<i>Microsporium gypseum</i>	
7	<i>Trichophyton mentagrophytes</i>	

SN	Viruses	
1	Adeno	Type 5 strain Adenoid 75
2	BVDV	Stamm NADL
3	HBV	
4	Herpes simplex	Type 1 strain HFEM
5	Herpes simplex	Type 1 strain RR
6	Herpes simplex	Type 1 MS, ATCC VR-540
7	Herpes simplex	Type 2 strain D 316
8	Herpes simplex	Type 2 MacIntyre, ATCC VR 539
9	Herpes simplex	Type 2 strain DD
10	HIV	
11	Influenza A	ATCC VR-544
12	Polyoma	Strain 777
13	Rota	Strain WA
14	Rota	Strain RIT 4237
15	Vaccinia	Strain Elstree
16	H5N1	Avian Flu
17	H1N1	Swine Flu
18	Ebola	Ebola Haemorrhagic Fever
19	Coronaviruses	SARS-CoV-2, SARS-CoV, MERS-CoV

EFFICACY EXAMPLES

Bacteria and fungi			
EN Phase 2 / Step 2	Efficacy according to EN Phase 2 / Step 2 (Practical tests)	Hygienic Hand Disinfection (EN 1500) Surgical Hand Disinfection (EN 12791)	30 sec. 1.5 min.
EN Phase 2 / Step 1	Appraised efficacy according to EN Phase 2 / Step 1 (suspension tests)	Bactericidal (EN 13727) Yeasticidal (EN 13624) Tuberculocidal (EN 14348) Mycobactericidal (EN 14348)	15 sec. 15 sec. 30 sec. 30 sec.
EN Phase 1	Appraisal according to EN Phase 1 (basic tests / suspension tests) without contamination; does not define the applicability of a product for a specific purpose	Bactericidal (EN 1040) Yeasticidal (EN 1275)	15 sec. 15 sec.
VAH	Certified Application Recommendations for Hygienic Hand Disinfection from the Association for Applied Hygiene (VAH). Based on suspension and practical tests	Bactericidal / Yeasticidal	30 sec.
	Certified Application Recommendations for Surgical Hand Disinfection from the VAH. Based on suspension and practical test	Bactericidal / Yeasticidal	1.5 min.
DGHM	Appraised efficacy against bacteria (in accordance with the German Society of Hygiene and Microbiology [DGHM]); within the certified bactericidal efficacy	MRSA / EHEC Listeria / Salmonella	30 sec. 15 sec.

RKI	IfSG (Robert Koch-Institute [RKI]) Recognized substance for decontamination according to Art. 18 IfSG (RKI)	Area A - vegetative bacteria; incl. mycobacteria (use twice for Tb)	30 sec.
ASTM	Appraised efficacy in compliance with American Standard Test Methods (ASTM)	Bactericidal (FDA) Yeasticidal (FDA)	30 sec. 30 sec.
Viruses			
EN Phase 2 / Step 1 (coronaviruses)**	Active according to EN Phase 2 / Step 1 (suspension tests)	SARS-CoV-2 or COVID-19 virus (EN 14476)	30 sec.
		SARS-CoV (EN 14476)	30 sec.
		MERS-CoV (EN 14476)	30 sec.
EN Phase 2/Step 1	Efficacy according to EN Phase 2 / Step 1 (suspension tests)	Adenovirus (EN 14476)	1 min.
DVV	Efficacy against viruses (German Society for the Control of Viral Diseases [DVV])	Virucidal against enveloped viruses (incl. HBV, HIV, HCV)	15 sec.
DVV	Appraised efficacy against enveloped viruses (in accordance with DVV)	Influenza-A-Virus (avian) Influenza-A-Virus (human) Herpes simplex Virus type 1 and 2 SARS-CoV	15 sec. 15 sec. 15 sec. 30 sec.
DVV	Appraised efficacy against non-enveloped viruses (DVV)	Adenovirus Polyomavirus	1 min. 5 min.
DVV	Appraised efficacy against enveloped viruses (DVV)	Rotavirus	15 sec.
Skin Disinfection			
Phase 2/Step 1	Appraised according to Phase 2/Step1 (suspension tests)	Bactericidal (EN 13727) Yeasticidal (EN 13624)	15 sec. 15 sec.
VAH	Certified Application Recommendations for prophylactic skin disinfection from the Association of Applied Hygiene (VAH). Based on suspension and practical tests For skin low and rich in sebaceous glands	Bactericidal/Yeasticidal skin low in sebaceous glands <u>prior to injections and punctures</u> Bactericidal/Yeasticidal skin low in sebaceous glands prior to punctures of joints, body cavities, hollow organs and before surgical procedures Bactericidal/Yeasticidal skin rich in sebaceous glands before all procedures	15 sec. 1 min. 10 min.

**Kratzel A, et al. Emerg Infect Dis. 2020;26(7). doi: 10.3201/eid2607.200915.

Stability

Stable under normal ambient temperatures

Shipping configurations

- 5 litres x 2 per carton
- 500 ml x 20 per carton
- 100 ml x 50 per carton

Shelf Life: 36 Months

Best Before: 12 months after opening container

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Available

SterloMax I 5 Litres

Fast acting, Ready-to-use, no water required, for hygiene and surgical hand disinfection, to sanitize hard porous surfaces.



SterloMax I 500 ml

Fast acting, Ready-to-use, no water required, for hygiene and surgical hand disinfection, to sanitize hard porous surfaces.



SterloMax I 100 ml

Fast acting, Ready-to-use, no water required, for hygiene and surgical hand disinfection, to sanitize hard porous surfaces.



Fill in



Dispenser



Pump



Spray

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For external use only



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Issued date: 19 March, 2020

Issued by: Merry George

