

INSTANT HAND SANITIZER

germstar® ORIGINAL

INGREDIENTS

Active Ingredients: Isopropanol 70% (w/w)
Ingredient function: killing agent

Also contains:
 Water solvent
 Emollient Complex lubricant
 Fragrance flavor

PHYSICAL CHARACTERISTICS

Odor: alcohol odor
Fragrance: spearmint
Appearance: colorless
Viscosity: liquid rinse

IRRITANCY & ALLERGY INFORMATION

ALLERGY INFO: No allergy reactions were reported.

IRRITANCY INFO: May be irritating if contact with eyes or if inhaled

CERTIFICATES

Certificate:	Institute:	Killing Performance:	Ref:
DGHM / VAH (EUROPE)	DGHM / VAH	30 sec	1)

1) German Society for hygiene and Microbiology (DGHM) + Association for Applied Hygiene (VAH), 53127 Bonn, Germany, EUROPE

EFFICACY DATA (EU)

Microorganism:	Test:	% Reduction: / killing time	Ref:
Escherichia coli (NCTC 10538)	EN 1500	>99.999 / 30 sec	A)
Bactericidal Performance	EN 1276	>99.999 / 30 sec	A)
Bactericidal Performance	EN 1040	>99.999 / 30 sec	A)
Fungicidal Performance	EN 1275	>99.999 / 30 sec	A)
Fungicidal Performance	EN 1650	>99.999 / 30 sec	A)

A) SGS INSTITUT FRESENIUS, 65220 Taunusstein, Germany, EUROPE

EFFICACY DATA (USA)

Microorganism:	Details:	% Reduction:	Ref:
Aspergillus niger	ATCC 16404	>99.999 / 30 sec	4)
Avian influenza virus (surrogate of bird flu)	Stain H9N9	>99.999 / 30 sec	1)
Candida albicans	ATCC 10231	>99.999 / 30 sec	2), 3)
Candida albicans	ATCC 10231	>99.999 / 30 sec	4)

Enterococcus faecalis	ATCC 6057	>99.999 / 30 sec	2)
Enterococcus faecium (Streptococcus faecalis)	ATCC 6057	>99.999 / 30 sec	3)
Enterococcus hirae	ATCC 10541	>99.999 / 30 sec	4)
Escherichia coli	ATCC 11229	>99.999 / 30 sec	2)
Escherichia coli	ATCC 10536	>99.999 / 30 sec	4)
Escherichia coli	ATCC 10538	>99.999 / 30 sec	4)
Klebsiella pneumoniae	ATCC 4353	>99.999 / 30 sec	2)
Klebsiella pneumoniae	ATCC 4352	>99.999 / 30 sec	3)
Proteus mirabilis	ATCC 14153	>99.999 / 30 sec	2), 3)
Pseudomonas aeruginosa	ATCC 15442	>99.999 / 30 sec	2), 3), 4)
Salmonella typhi	ATCC 6539	>99.999 / 30 sec	3)
Salmonella typhimurium	ATCC 13311	>99.999 / 30 sec	3)
Staphylococcus aureus	ATCC 6538	>99.999 / 30 sec	2), 3), 4)
Staphylococcus pneumoniae	n/a	>99.999 / 30 sec	
Salmonella enteritidis	n/a	>99.999 / 30 sec	
Influenza A2 virus	n/a	>99.999 / 30 sec	
Herpes Simplex typ I virus	n/a	>99.999 / 30 sec	
Rhino type II virus	n/a	>99.999 / 30 sec	
HIV	n/a	>99.999 / 30 sec	
Feline Calicivirus	n/a	>99.999 / 60 sec	
SARS	n/a	>99.999 / 30 sec	
Hepatitis A	n/a	>99.999 / 60 sec	
Hepatitis B, & C	n/a	>99.999 / 30 sec	
MRSA	n/a	>99.999 / 30 sec	

1) Sagar M. Goyal, Professor of Virology, Department of Veterinary Population Medicine, University of Minnesota, 1333 Gortner Ave, Saint Paul, MN 55108, USA

2) Univ. Prof. Dr. med. Manfred ROTTER, Hygiene Institute of the university of Vienna, 1095 Vienna, Austria, EUROPE

3) HILL TOP RESEARCH INC., Main & Mill Streets, Miamiville, OH 45147

4) SGS INSTITUT FRESENIUS, 65220 Taunusstein, Germany, EUROPE

BIOBASED CONTENT ANALYSIS*

Biobased Content: 0%
Fossil Content: 100%

* Beta Analytic Inc., 4985 SW 74 Court, Miami, Florida 33155, USA

MANUFACTURE INFORMATION

Soaptronic LLC
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 Lake Forest, CA 92630, USA

