



Evans Vanodine International plc
GLOBAL HYGIENE SOLUTIONS

EST-EEM



MICROBIOLOGICAL PROFILE

EST-EEM MICROBIOLOGICAL PROFILE

INTRODUCTION

EST-EEM is an unperfumed liquid disinfectant and multi-purpose cleaner.

EST-EEM is available as a concentrate product and in a ready-to-use (RTU) solution. The results reported in this profile have been carried out on dilutions of the concentrated product.

EST-EEM has been tested using European Standard methods to meet specific classification/regulatory demands.

European Standard test methods EN 1276 and EN 1650 were performed in the UKAS accredited Microbiology Laboratory (Testing No. 1108) of Evans Vanodine International Plc. Tests with additional organisms *Campylobacter jejunii* and *Listeria monocytogenes* were performed by an independent UKAS accredited laboratory.

EN 1276 uses four reference bacteria, *Enterococcus hirae*, *Escherichia coli* (*E.coli*), *Pseudomonas aeruginosa* and *Staphylococcus aureus* as representatives of the main bacterial types.

Pseudomonas aeruginosa is considered to be one of the most resistant bacteria to disinfectants and therefore the effective dilutions against this bacterium are normally used to determine recommended in-use dilutions.

PLEASE REFER TO PRODUCT LABEL FOR HOW TO USE AND FOR ALL RECOMMENDED DILUTION RATES.

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Campylobacter jejunii

Enterococcus hirae

Escherichia coli

Escherichia coli "0157"

Listeria monocytogenes

Methicillin resistant Staphylococcus aureus

Pseudomonas aeruginosa

Salmonella pullorum

Salmonella typhimurium

Shigella sonnei

Staphylococcus aureus

YEASTICIDAL ACTIVITY IN SUSPENSION

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Candida albicans

A glossary of microbiological and chemical terms is available on request

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Activity against bacteria in suspension using

EN 1276

BACTERIA	DISEASE / INFECTION	Bactericidal dilutions under simulated "dirty conditions"*	
		CONTACT TIMES	
		30 seconds	5 minutes
<i>Enterococcus hirae</i>	Urinary tract infections	1:200	1:400
<i>Escherichia coli</i>	Food poisoning	1:25	1:50
<i>Pseudomonas aeruginosa</i>	Opportunistic pathogen, wound, burn infections	1:25	1:25
<i>Staphylococcus aureus</i>	Skin, bone and wound infections	1:50	1:200
<i>Campylobacter jejunii</i>	Food poisoning		1:200
<i>Escherichia coli</i> "0157"	Food poisoning		1:50
<i>Listeria monocytogenes</i>	Food poisoning		1:200
<i>Methicillin resistant Staphylococcus aureus</i>	Skin, bone and wound infections		1:100
<i>Salmonella pullorum</i>	Food poisoning		1:50
<i>Salmonella typhimurium</i>	Food poisoning		1:25
<i>Shigella sonnei</i>	Dysentery		1:50

*As defined in EN 1276

EST-EEM MICROBIOLOGICAL PROFILE

Activity against bacteria in suspension using EN 1276

BACTERIA	DISEASE / INFECTION	Bactericidal dilutions under simulated "clean conditions"*
		CONTACT TIME
		5 minutes
<i>Enterococcus hirae</i>	Urinary tract infections	1:200
<i>Escherichia coli</i>	Food poisoning	1:100
<i>Pseudomonas aeruginosa</i>	Opportunistic pathogen, wound, burn infections	1:25
<i>Staphylococcus aureus</i>	Skin, bone and wound infections	1:200

*As defined in EN 1276

TEST METHOD REFERENCE

EN 1276

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas

Designed to test bactericidal products specifically for use in the Food and Catering Industry. It is carried out under "dirty" (representative of surfaces which are known to or may contain organic and/or inorganic materials) and "clean" (representative of surfaces which have received a satisfactory cleaning programme and/or are known to contain minimal levels of organic and/or inorganic materials) conditions.

Additional contact times were used as well as the obligatory test conditions.

Test Parameters: 5 minute contact time and 30 seconds, 20°C, hard water, dirty and clean conditions.

Bactericidal Criteria: ≥ 5 log reduction \equiv 99.999% reduction.

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Activity against yeast in suspension using EN 1650

YEAST	DISEASE / INFECTION	Yeasticidal dilutions under simulated "dirty conditions"*
		CONTACT TIME
		1 minute
<i>Candida albicans</i>	Thrush	1:25

*As defined in EN 1650

TEST METHOD REFERENCE

EN 1650

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas.

Designed to test fungicidal products specifically for use in the Food and Catering Industry. It is carried out under "dirty" (representative of surfaces which are known to or may contain organic and/or inorganic materials) and "clean" (representative of surfaces which have received a satisfactory cleaning programme and/or are known to contain minimal levels of organic and/or inorganic materials) conditions.

Test parameters: 1 minute contact time, 20°C, hard water, dirty conditions.
Yeasticidal criteria: ≥ 4 log reduction \equiv 99.99% reduction.