



# KLEENEX® Luxury Foam Instant Hand Sanitizer

## Technical Bulletin

### Features and Benefits

- Effective against a wide range of microorganisms
- Dispenses as luxury foam
- Crystal clear formula with a light fresh fragrance

### Physical Characteristics

Active Ingredient:	62% v/v Ethyl Alcohol
Color:	Clear, Water White
Fragrance:	Fresh
pH:	6.5

### Antimicrobial Efficacy — In Vitro — Time Kill Study

#### Test Objective:

The purpose of this test is to determine the germ killing efficacy of KLEENEX® Luxury Foam Instant Hand Sanitizer

**Test Method:** Time Kill Study

**Independent Laboratory:** Bioscience Laboratories, Study Number 070519-201

**Test Date:** July 2007

MICROORGANISM	ATCC#	% Reduction 15 seconds	% Reduction 30 seconds	% Reduction 60 seconds
Enterobacter aerogenes	13048	99.999	99.999	99.999
Enterococcus faecalis VRE; MDR	51575	99.999	99.999	99.999
Enterococcus faecium	19434	99.999	99.999	99.999
Klebsiella pneumoniae	10031	99.999	99.999	99.999
Pseudomonas aeruginosa	15442	99.999	99.999	99.999
Staphylococcus aureus	29213	99.999	99.999	99.999
Streptococcus pneumoniae	6303	99.999	99.999	99.999
Escherichia coli	11229	99.999	99.999	99.999
Proteus mirabilis	7002	99.999	99.999	99.999
Serratia marcescens	14756	99.999	99.999	99.999
Candida albicans	10231	99.999	99.999	99.999
Staphylococcus epidermidis	12228	99.998	99.999	99.999
Salmonella typhi	6539	99.999	99.999	99.999
Staphylococcus aureus MRSA	33592	99.999	99.999	99.998
Streptococcus pyogenes	19615	99.999	99.999	99.999



## Antimicrobial Efficacy — InVitro — Minimum Inhibitory Concentration (MICs)

### Test Objective:

The purpose of this test is to determine the minimum concentration of the product which will inhibit growth of bacterial or fungal organisms in a laboratory study.

**Test Date:** July 2007

**Independent Laboratory:** Bioscience Laboratories  
Study Number 070520-202

MICROORGANISM	ATCC#	MIC Expressed as Product Dilution
Enterobacter aerogenes	13048	1:8
Enterococcus faecalis VRE; MDR	51575	1:8
Enterococcus faecium	19434	1:8
Klebsiella pneumoniae	10031	1:8
Pseudomonas aeruginosa	15442	1:8
Staphylococcus aureus	29213	1:4
Streptococcus pneumoniae	6303	1:16
Escherichia coli	11229	1:8
Proteus mirabilis	7002	1:8
Serratia marcescens	14756	1:8
Candida albicans	10231	1:4
Staphylococcus epidermidis	12228	1:8
Salmonella typhi	6539	1:8
Staphylococcus aureus MRSA	33592	1:8
Streptococcus pyogenus	19615	1:8

## Ingredient List

### Ingredients (INCI Names)

#### ACTIVE:

62% v/v Ethyl Alcohol

#### INACTIVE:

Water

PEG-10 Dimethicone

Betaine

PEG-7 Glyceryl Cocoate

Meadowfoam Amidopropyl Betaine

Fragrance

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