

**MIC (minimum inhibitory concentration) of  $\epsilon$ -polylysine  
against various Microorganisms**

Microorganisms	MIC( $\mu$ g/ml)	Culture (No.)
<b>(Fungi)</b>		
<i>Aspergillus niger</i> IFO 4416	250	1
<i>Trichophyton mentagrophytes</i> IFO 7522	60	1
<b>(Yeasts)</b>		
<i>Candida acutus</i> IFO 1912	6	2
<i>Phaffia rhodozyma</i> IFO 10129	12	2
<i>Pichia anomala</i> IFO 0146	150	2
<i>Pichia membranaefaciens</i> IFO 0577	< 3	2
<i>Rhodotorula lactosa</i> IFO 1423	25	1
<i>Sporobolomyces roseus</i> IFO 1037	< 3	2
<i>Saccharomyces cerevisiae</i>	50	2
<i>Zygosacchomyces rouxii</i> IFO 1130	150	1
<b>(Gram-positive bacteria )</b>		
<i>Bacillus stearothermophilus</i> IFO 12550	5	6
<i>Bacillus coagulans</i> IFO 12583	10	6
<i>Bacillus subtilis</i> IAM 1069	< 3	7
<i>Bacillus cereus</i> IFO3514	30	7
<i>Clostridium acetobutylicum</i> IFO 13948	32	8
<i>Leuconostoc mesenteroides</i> IFO 3832	50	3
<i>Lactobacillus brevis</i> IFO 3960	10	3
<i>Lactobacillus plantarum</i> IFO 12519	5	3
<i>Micrococcus luteus</i> IFO 12708	16	6
<i>Staphylococcus aureus</i> IFO 13276	12	4
<i>Streptococcus lactis</i> IFO 12546	100	3
<b>(Gram-negative bacteria)</b>		
<i>Aerobacter aerogenes</i> IFO 3317	8	4
<i>Campylobacter jejuni</i>	100	9
<i>Escherichia coli</i> IFO 13500	50	4,5
<i>Pseudomonas aeruginosa</i> IFO 3923	3	4
<i>Salmonella typhimurium</i>	16	4

**Culture (No.)**

1,Potato dextrose broth (pH 5.6); 2,Malt broth (pH 5.0); 3,Glucose malt broth (pH 6.0); 4,Nutrient broth (pH 7.0); 5,Desoxycholate broth (pH 7.4); 6:Brain heart infusion broth (pH 7.0); 7,Trypto-soya broth (pH 7.3); 8,Thioglycollate medium without indicator :fluid (pH 7.1); 9,Brucella broth (pH 7.0).