

## Enterococcus faecalis T9

Optical densities revealing the growth of micro-organisms for undiluted solutions and percent solutions of the individual components of Listerine® (thymol 0.064%, eucalyptol 0.092%, menthol 0.042%, methyl salicylate 0.06%, ethanol 27%), Listerine® and various component mixtures (SD standard deviation).

Percent Solution	Thymol		Eucalyptol		Menthol		Methyl Salicylate		ETOH	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
100	0.05115	0.000351188	0.051275	0.000903234	0.0501	0.000374166	0.05	0.00203142	0.0515	0.00203142
50	0.0578	0.000547723	0.067775	0.01263919	0.058375	0.001842778	0.057725	0.000818536	0.05865	0.000818536
25	0.062025	0.000727439	0.363075	0.1904164	0.24515	0.1850253	0.21165	0.2274504	0.28835	0.2274504
12.5	0.44445	0.06096932	0.55345	0.1904164	0.5326	0.1850253	0.538075	0.2274504	0.596625	0.2274504
6.25	0.612	0.06110031	0.6512	0.0549546	0.653125	0.05752271	0.699575	0.08887839	0.760875	0.08887839
3.125	0.73375	0.04418586	0.67905	0.0549546	0.72265	0.05752271	0.753075	0.08887839	0.7739	0.08887839
1.5625	0.789575	0.06447369	0.702875	0.06425296	0.7341	0.07328115	0.715675	0.07047924	0.747775	0.07047924
0.78125	0.814825	0.1216531	0.7165	0.07421536	0.776525	0.1173523	0.7517	0.1153997	0.7797	0.1153997
0.390625	0.75425	0.07974182	0.6542251	0.07421536	0.715525	0.1173523	0.694575	0.1153997	0.701325	0.1153997
0.1953125	0.73655	0.03159004	0.669175	0.04524432	0.7223	0.08709998	0.71215	0.07497331	0.737625	0.07497331
0	0.7377	0.06502037	0.6314	0.05744744	0.6842	0.08040705	0.66305	0.06833503	0.718325	0.06833503

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Percent Solution	Listerine		Eucalyptol + Menthol		Eucalyptol+ Thymol		Eucalyptol + Methyl Salicylate		Eucalyptol + Menthol + Methyl Salicylate		Eucalyptol + Menthol + Thymol	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
100	0.052725	0.002793072	0.052225	0.002085966	0.052325	0.002368807	0.055375	0.00463155	0.052625	0.00152028	0.101025	0.008874188
50	0.057	0.001484926	0.059875	0.003358759	0.05785	0.00113137	0.082675	0.03312795	0.07965	0.02877925	0.0657	0.002616295
25	0.0602	7.07106E-05	0.2849	0.259791	0.0622	0.002969849	0.319375	0.2864136	0.294425	0.2756656	0.058925	0.001308147
12.5	0.168875	0.032138	0.441	0.03422397	0.302025	0.1425881	0.5199	0.08471138	0.46605	0.01152583	0.069825	0.005409369
6.25	0.4694	0.01138441	0.5668	0.01944544	0.477525	0.03998689	0.6069	0.11144	0.562975	0.0194808	0.483475	0.007954954
3.125	0.516775	0.02344058	0.602875	0.01071265	0.534525	0.005338657	0.6261	0.06286179	0.620775	0.0585131	0.5613	0.03436538
1.5625	0.559725	0.05243196	0.601275	0.03942121	0.57305	0.01576849	0.6012	0.004101204	0.639425	0.08304969	0.600425	0.06035159
0.78125	0.592225	0.04776509	0.619475	0.002651627	0.599525	0.003783017	0.60155	0.03005203	0.646	0.06392244	0.62795	0.04893177
0.390625	0.55985	0.01350575	0.5808	0.03867875	0.57865	0.04143646	0.542875	0.06063439	0.601475	0.009439883	0.585975	0.01700592
0.1953125	0.5861	0.04080007	0.59405	0.05069956	0.588125	0.06919041	0.56185	0.0874691	0.6231	0.03344614	0.6092	0.03676957
0	0.5695	0.04758828	0.583425	0.02138997	0.58495	0.08096372	0.573225	0.03256226	0.6199	0.000353549	0.6226	0.0258094