

**Results:**

Antimicrobial Activity (ISO 22196)						
Test microorganisms	Initial bacteria number (CFU/film)	Control (CFU/film)	Result(s)			
			Sample (CFU/film)		Antimicrobial activity	
					R	Percentage (%)
<i>Escherichia coli</i> ATCC 8739	2.9 x 10 <sup>5</sup>	1.9 x 10 <sup>8</sup>	1st	<1	6.9	>99.9%
			2nd	<1	6.9	>99.9%
			3rd	<1	6.9	>99.9%
<i>Staphylococcus aureus</i> ATCC 6538P	2.8 x 10 <sup>5</sup>	1.2 x 10 <sup>7</sup>	1st	2.1 x 10 <sup>4</sup>	2.7	99.8%
			2nd	1.5 x 10 <sup>4</sup>	2.9	99.9%
			3rd	1.7 x 10 <sup>4</sup>	2.9	99.9%

<Remark>

- 1) Inoculum Concentration :  
*Escherichia coli* : 2.9 × 10<sup>5</sup> CFU/film  
*Staphylococcus aureus* : 2.8 × 10<sup>5</sup> CFU/film
- 2) Method: ISO 22196 methods- Pour plate method
- 3) Dilution Medium : 1/500 Nutrient broth (BD)
- 4) Inoculations : 35 °C, 24 hr
- 5) Incubation : 35 °C, 48 hr
- 6) Material : PET film

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