

Poloxamer 333 (P103)

Cat. No.:	HY-D1005A19
CAS No.:	9003-11-6
Target:	Biochemical Assay Reagents; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Poloxamer 333 (P₁₀₃)

BIOLOGICAL ACTIVITY

Description

Poloxamer 333 P103 is block polymer of polyoxyethylene and polyoxypropylene with average molecular mass of 4950. Poloxamer 333 P103 exhibits antimicrobial activity, that inhibits 90% Mycobacterium avium complex at concentration of 1 mg/mL. Poloxamer 333 P103 forms thermoreversible hydrogel, that is utilized in food additives, drug delivery carriers in cosmetics, pharmaceutical ingredients and tissue engineering^{[1][2]}.

REFERENCES

- [1]. Singh-Joy SD, et al., Safety assessment of poloxamers 101, 105, 108, 122, 123, 124, 181, 182, 183, 184, 185, 188, 212, 215, 217, 231, 234, 235, 237, 238, 282, 284, 288, 331, 333, 334, 335, 338, 401, 402, 403, and 407, poloxamer 105 benzoate, and poloxamer 182 dibenzoate as used in cosmetics. *Int J Toxicol.* 2008;27 Suppl 2:93-128.
- [2]. Hunter RL, et al., Enhancement of antibiotic susceptibility and suppression of Mycobacterium avium complex growth by poloxamer 331. *antimicrob Agents Chemother.* 1995 Feb;39(2):435-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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