

Betaine 5M (Molecular Biology Grade)

Catalog No. 50505S: 1 mL

Catalog No. 50505L: 5 mL

Description

Betaine (trimethylglycine or N,N,N triethylammonium acetate) is a PCR enhancing reagent that is well known for increasing the yield and specificity of PCR products. It is useful for the PCR amplification of DNA fragments that are high in GC content and/or have secondary structures.

Betaine reduces the melting temperature of the DNA fragments and primers with more than 1 M of concentration. The best annealing temperature for each PCR, RT-PCR, and qPCR should be determined individually.

Applications

- PCR
- RT-PCR
- qPCR
- Loop-mediated isothermal amplification (LAMP) reactions

Specification

CAS	107-43-7
Molecular Formula	C ₅ H ₁₁ NO ₂
Molecular Weight (g/mol)	117.15
Format	Solution
Concentration	5 M
Grade	Molecular Biology

Storage Condition

Store at 4°C. Stable up to 2 years.

Component

Catalog No.	50505S	50505L
Betaine 5M	1 ml	5 ml

Quality Control

Reagent passed stringent functional quality test.

Product Use Limitation




This product is developed and sold for research purposes and *in vitro* use only. Please refer to biodynamy.com for Material Safety Data Sheet of the product.

Limited Label License

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