



Certificates

SDS

Thermo Scientific™

DreamTaq DNA Polymerase (5 U/μL)

Thermo Scientific DreamTaq DNA Polymerase is an enhanced *Taq* DNA polymerase optimized for all standard PCR applications. It ensures higher sensitivity, longer PCR products, and higher yields compared to conventional *Taq* DNA polymerase.

Have Questions? [Contact Us](#)

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Catalog Number	Color	Quantity
EP0705	Colorless	10 x 500 Units
EP0701	Colorless	200 Units
EP0702	Colorless	500 Units
EP0703	Colorless	5 x 500 Units

EP0711

Green

200 Units

Catalog number EP0705



Price (MDL)

-

Contact Us

Color:

Colorless

Quantity:

10 x 500 Units

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Thermo Scientific DreamTaq DNA Polymerase is an enhanced *Taq* DNA polymerase optimized for all standard PCR applications. It ensures higher sensitivity, longer PCR products and higher yields compared to conventional *Taq* DNA polymerase. DreamTaq DNA Polymerase uses the same reaction setup and cycling conditions as conventional *Taq* DNA polymerase. Extensive optimization of reaction conditions is not required. It is supplied with optimized DreamTaq Buffer, which includes 20 mM MgCl₂

DreamTaq Green DNA Polymerase is a combination of DreamTaq DNA Polymerase and 10X DreamTaq Green Buffer. The 10X DreamTaq Green Buffer includes a density reagent and two tracking dyes for direct loading of PCR products on a gel. The colored buffer does not interfere with PCR performance and is compatible with downstream applications such as DNA sequencing, ligation, and restriction digestion.

Features

- Robust amplification with minimal optimization
- High yields of PCR products
- Higher sensitivity compared to conventional *Taq* DNA polymerase
- Amplification of long targets up to 6 kb from genomic DNA and up to 20 kb from viral DNA
- Incorporates modified nucleotides, but does not incorporate dUTP
- Direct loading of PCR product on gel with green format

Applications

- Routine PCR amplification of DNA fragments up to 6 kb
- High throughput PCR
- Genotyping

For Research Use Only. Not for use in diagnostic procedures.

In certain countries use of this product is covered by patents. Purchase of product in these countries includes non-transferable, limited license for using only this amount of product for the purchaser's own internal research.

This product is licensed under one or more U.S. Patents Nos. 5,500,363 and 5,352,778 or corresponding foreign patents. This product is licensed under one U.S. Patent No. 5,436,149 or corresponding foreign patents owned by Takara Bio, Inc.

Patent pending.

Specifications

Color	Colorless
Fidelity (vs. Taq)	1X
Hot Start	No
Overhang	3'-A
Polymerase	DreamTaq DNA Polymerase
Quantity	10 x 500 Units
Reaction Format	Separate Components
Shipping Condition	Dry Ice
Concentration	5 U/ μ L
For Use With (Application)	Standard PCR, Genotyping
GC-Rich PCR Performance	Low
Reaction Speed	Standard
Unit Size	Each

Contents & Storage

- DreamTaq DNA Polymerase (5 U/ μ L), 10 x 100 μ L
- 10X DreamTaq Buffer with 20 mM MgCl₂, 20 x 1.25 mL

Store at -20°C.

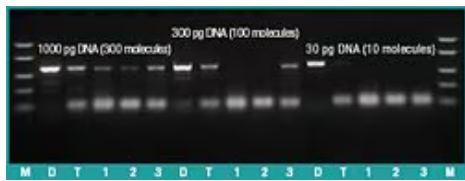
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Frequently asked questions (FAQs)

What is the error rate of DreamTaq DNA Polymerases? ▼

Figures



Comparison of PCR sensitivity and yield with DreamTaq DNA Polymerase

Documents & Downloads

Certificates

🔍 Search by lot number or partial lot number



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Certificate Type

Date

Catalog Number(s)

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 3493870	Certificate of Analysis	May 25, 2026	EP0701
 3488952	Certificate of Analysis	May 18, 2026	EP0711

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Safety Data Sheets



Product Information

Manuals



-  [User Guide: DreamTaq DNA Polymerase](#)
-  [User Guide: DreamTaq Green DNA Polymerase](#)
-  [User Guide: Analysis of Recombinant Clones](#)

Scientific Resources

Flyers



-  [Flyer: DreamTaq polymerase](#)

Reference Materials



-  [LabAid: DreamTaq DNA polymerases](#)

