



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](#)

Change view



Catalog Number	Color	Quantity
<a href="#">EP0703</a>	Colorless	5 x 500 Units
EP0701	Colorless	200 Units
EP0702	Colorless	500 Units
EP0705	Colorless	10 x 500 Units

EP0711

Green

200 Units

Catalog number EP0703



Price (MDL)

-

Contact Us

Color:

Colorless

Quantity:

5 x 500 Units

[Request bulk or custom format](#)[Product Overview](#)[Ask our AI about this Product](#)[FAQ](#)[Figures](#)[Documents](#)

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 MgCl<sub>2</sub>

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

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

## Contents & Storage

- DreamTaq DNA Polymerase (5 U/μL), 5 x 100 μL
- 10X DreamTaq Buffer with 20 mM MgCl<sub>2</sub>, 10 x 1.25 mL

Store at -20°C.

🔍 Ask a question about this product.

This is an AI-powered search and may not always get things right. You can help us make it better with a thumbs up or down on individual answers or by selecting the "Give feedback" button. Your search history and customer login information may be retained by Thermo Fisher and processed in accordance with our [Privacy Notice](#).

## 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

Search



† #

Certificate Type

Date

Catalog Number(s)

---

 <a href="#">3497545</a>	Certificate of Analysis	Jun 01, 2026	EP0705
 <a href="#">3493870</a>	Certificate of Analysis	May 25, 2026	EP0701
 <a href="#">3488952</a>	Certificate of Analysis	May 18, 2026	EP0711

---

5 results displayed, search above for a specific certificate

[Request a Certificate](#)

## 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](#)

