

Product Information

Product name: dNTP mix (10 mM each), dNTP mix (25 mM each).

Cat. number: NM10-0100, NM10-0500, NM10-1000, NM25-0100, NM25-0500, NM25-1000.

Description:

The product is an equimolar mixture of 2'-deoxyadenosine-5'-triphosphate (dATP), 2'-deoxyguanosine-5'-triphosphate (dGTP), 2'-deoxycytidine-5'-triphosphate (dCTP) and thymidine-5'-triphosphate (dTTP) solutions as ammonium salts in water, each at a final concentration of 10 or 25 mM. Nucleotide solutions have not less than 98% purity confirmed by HPLC, are tested for the presence of endo- and exonuclease activity and free of trace contaminating DNase and RNase, functionally tested in Real-time PCR.

This dNTP mix is ideal for use in all molecular biology applications such as DNA fragment amplification, DNA labeling, sequencing, and more.

FOR RESEARCH USE ONLY.

Benefits of using:

- Cut time to prepare the reaction.
- Reduced the risk of contamination under mixing PCR components.
- The conditions for setting up similar reactions are standardized (the risk of reaction set up errors is reduced under mixing PCR components in different experiments).
- Labor costs are minimized.
- For ease of use, depending on the task, you can choose premixed aqueous solutions with different concentrations of nucleotides: 10 mM or 25 mM of each of the dNTPs.

Product composition:

Catalog number	Product name	Composition	Quantity
NM10-0100	dNTP mix (10 mM each)	10 mM each of dATP, dGTP, dCTP, dTTP	100 µl
NM10-0500			500 µl (5 x 100 µl)
NM10-1000			1000 µl (10 x 100 µl)
NM25-0100	dNTP mix (25 mM each)	25 mM each of dATP, dGTP, dCTP, dTTP	100 µl
NM25-0500			500 µl (5 x 100 µl)
NM25-1000			1000 µl (10 x 100 µl)

Storage and transportation conditions:

Long term storage at -20°C. It is transported in a frozen form, the solution may be defrosted and transported at ambient temperature.

Shelf life: 12 months.