

dNTP Mix - 25 mM each
Cat. No: MX4502-25

Product Information Leaflet

Description

MedixMDx deoxynucleotide triphosphate (dNTP) Mix is a highly pure mixture of 2'-deoxyadenosine-5'-triphosphate (dATP), 2'-deoxycytidine-5'-triphosphate (dCTP), 2'-deoxyguanosine-5'-triphosphate (dGTP), and 2'-deoxythymidine-5'-triphosphate (dTTP). The dNTP Mix is a clear aqueous solution (pH 8.5) with greater than 99% purity. The solution is free of human and bacterial DNA as well as RNases and DNases. This ensures robust performance and reproducible results.

The dNTP Mix contains 25 mM of each nucleotide. The dNTP Mix is suitable for a variety of molecular biology applications such as DNA sequencing, DNA labeling, PCR, real-time PCR, long-range PCR, cDNA synthesis, and RT-PCR. The dNTP Mix is also suitable for isothermal nucleic acid amplification technologies (iNAATs) such as LAMP, RPA, RCA, SIBA, and NEAR.

Formula

dATP: $C_{10}H_{13}N_5O_{12}P_3$ (anion), dCTP: $C_9H_{13}N_3O_{13}P_3$ (anion), dGTP: $C_{10}H_{13}N_5O_{13}P_3$ (anion), dTTP: and $C_{10}H_{14}N_2O_{14}P_3$ (anion).

Molecular weight

dATP: 488.16 g/mol (anion), dCTP: 464.13 g/mol (anion), dGTP: 504.16 g/mol (anion), and dTTP: 479.14 g/mol (anion).

Kit components

Component	*MX4502-25 25 mM each
dNTP Mix	1 mL

*Other pack sizes or bulk orders are available upon request.

Storage and shipment

Transport with an ice pack or on dry ice (for shipments taking more than 2 days). The reagent should be stored between -30°C and -15°C upon arrival. The reagent is stable for 12 months if stored correctly.

Technical information and support

For technical enquiries or assay development support, please contact us via e-mail at: mdx@medixbiochemica.com. Additional information and technical resources are available on our website at: www.medixbiochemica.com/en/MedixMDx.