

dNTP Set (each 100mM)
9K-003-0007 (4x1mL)
store at room temperature -20°C



Technical Information

dATP

2' - Deoxyadenosine 5' - triphosphate

Formula

$C_{10}H_{13}N_5O_{12}P_3$ (free acid)

MW 488.16 (free acid)

100mM, pH8.5±0.1 (4°C)

Abs. Max : 259nm (pH7.0)

ϵ at Abs. Max : 15.1 E x mmol⁻¹ x cm⁻¹
purity > 99%

dGTP

2' - Deoxyguanosine 5' - triphosphate

Formula

$C_{10}H_{13}N_5O_{13}P_3$ (free acid)

MW 504.16 (free acid)

100mM, pH8.5±0.1 (4°C)

Abs. Max : 252nm (pH7.0)

ϵ at Abs. Max : 14.2 E x mmol⁻¹ x cm⁻¹
purity > 99%

dCTP

2' - Deoxythymidine 5' - triphosphate

Formula

$C_9H_{13}N_3O_{13}P_3$ (free acid)

MW 464.13 (free acid)

100mM, pH8.5±0.1 (4°C)

Abs. Max : 271nm (pH7.0)

ϵ at Abs. Max : 8.9 E x mmol⁻¹ x cm⁻¹
purity > 99%

dTTP

2' - Deoxythymidine 5' - triphosphate

Formula

$C_{10}H_{14}N_2O_{14}P_3$ (free acid)

MW 479.14 (free acid)

100mM, pH8.5±0.1 (4°C)

Abs. Max : 267nm (pH7.0)

ϵ at Abs. Max : 9.5 E x mmol⁻¹ x cm⁻¹
purity > 99%