

# NTP Set

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**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Sheets (SDSs) are available from [thermofisher.com/support](http://thermofisher.com/support).

## Contents and storage

Contents	Amount	Storage
NTP Set	4 x 25 µmol	-25 °C to -15 °C

## Description

The NTP Set contains 0.25 mL of 100 mM solutions of each ATP, CTP, GTP and UTP in separate vials.

## General characteristics

<b>ATP</b>	$C_{10}H_{13}N_5O_{13}P_3Na_3$ MW 573.1 (acid form: 507.2); $\lambda_{max}=259$ nm, $\epsilon=15.4 \times 10^3$ M <sup>-1</sup> cm <sup>-1</sup> (pH 7.0)
<b>CTP</b>	$C_9H_{13}N_3O_{14}P_3Na_3$ MW 549.1 (acid form: 483.1); $\lambda_{max}=271$ nm, $\epsilon=9.0 \times 10^3$ M <sup>-1</sup> cm <sup>-1</sup> (pH 7.0)
<b>GTP</b>	$C_{10}H_{13}N_5O_{14}P_3Na_3$ MW 589.2 (acid form: 523.2); $\lambda_{max}=253$ nm, $\epsilon=13.7 \times 10^3$ M <sup>-1</sup> cm <sup>-1</sup> (pH 7.0)
<b>UTP</b>	$C_9H_{12}N_2O_{15}P_3Na_3$ MW 550.1 (acid form: 484.1); $\lambda_{max}=262$ nm, $\epsilon=10.0 \times 10^3$ M <sup>-1</sup> cm <sup>-1</sup> (pH7.0)

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