



YOUR ROVEXCELLENT NUCLEOTIDES

ACHIEVE PERFECTION

Amplification with ROVEXCELLENT dNTPs narrows the theoretical maximal output in real time PCR.

OBTAIN THE BEST RESULTS

OUR most demanding quality control criteria assure highest consistent quality of ROVEXCELLENT dNTPs for best results in YOUR experiments.

SELECT THE HIGHEST PURITY

ROVEXCELLENT dNTPs have a guaranteed purity > 99 % by HPLC and are free of strong PCR inhibiting contaminants.

IMPROVE PERFORMANCE WITH ENHANCED STABILITY

ROVALAB nucleotides show no loss in long range PCR performance during incubation for 16 days at 20°C.

ROVALAB

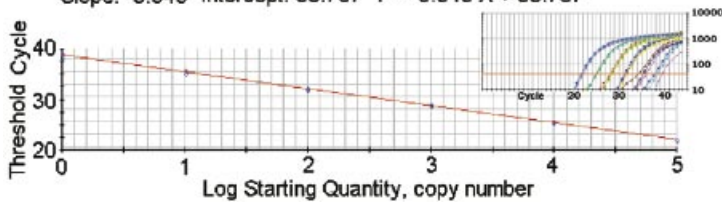


ACHIEVE PERFECTION

Amplification with ROVEXCELLENT dNTPs narrows the theoretical maximal output in real time PCR:
 PCR Efficiency = 100 %, Correlation Coefficient = 1.000, Slope = - 3.300.

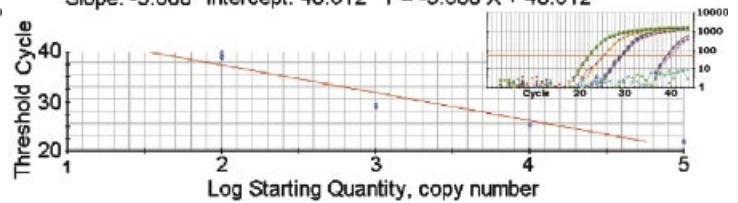
Amplification with ROVEXCELLENT dNTPs

PCR Efficiency: 99.1 % Correlation Coefficient: 0.999
 Slope: -3.345 Intercept: 38.737 $Y = -3.345 X + 38.737$



Amplification with competitor's dNTPs

PCR Efficiency: 50.8 % Correlation Coefficient: 0.960
 Slope: -5.608 Intercept: 48.612 $Y = -5.608 X + 48.612$



Efficiency of the amplification of β -actin gene using log fold serial dilutions of human genomic DNA from 100 ng to 1 pg. Detection with TaqMan reporter on Bio-Rad i-Cycler.

OBTAIN THE BEST RESULTS

ROVEXCELLENT dNTPs are of the highest consistent quality, ensuring the most sensitive, constant, and reliable results in your experiments. This allows you to rely on the dNTPs and concentrate on your research.

ROVALAB applies technologies which result in excellent dNTP performance and an absolute purity. Each lot must pass our most demanding and precise quality control criteria before being released for sale.

IMPROVE PERFORMANCE WITH ENHANCED STABILITY

ROVEXCELLENT dNTPs will help you to improve your results reliably in all types of PCR from 100 bp fragments up to 30 kb or in amplification of very difficult GC rich templates, due to their outstanding purity and stability.

The exceptional stability of ROVEXCELLENT dNTPs was tested daily analytically by HPLC as well as functionally in a 30 kb PCR assay over 16 days at two different temperatures: 20°C and 4°C.

The HPLC purity decreased during incubation for 16 days at both temperatures by less than 2%.

ASSURED CONSISTENT QUALITY

At ROVALAB, we operate according to ISO 9001:2000 and assure you consistency of the lots.

ORDERING INFORMATION

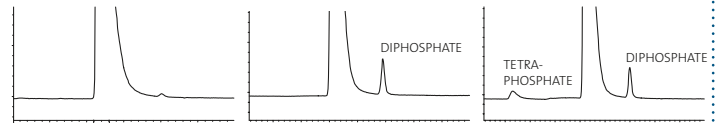
Product	Catalog #	Size
dNTP	R 100	4 x 0,25 ml, 100 mM solutions
	R 103	4 x 1 ml, 100 mM solutions
	R 105	5 x 4 x 0,25 ml, 100 mM solutions
	R 110	20 x 4 x 0,25 ml, 100 mM solutions
dNTP, dUTP Set	R 170	4 x 0,25 ml
dNTP Mix, 25 mM each	R 230	0,5 ml
	R 235	1,0 ml

SELECT THE HIGHEST PURITY

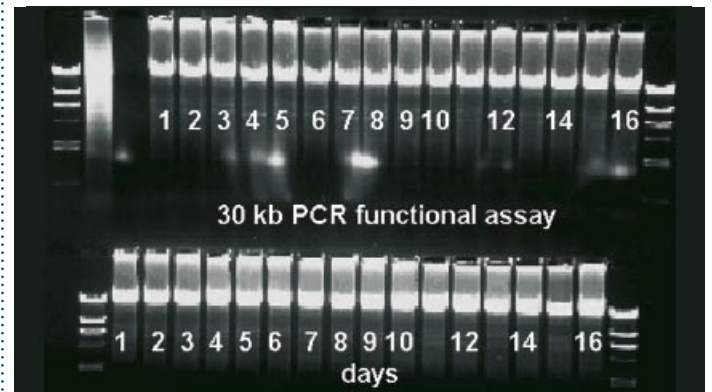
dATP from ROVALAB

dATP from competitor A

dATP from competitor B



ROVEXCELLENT dNTPs have a guaranteed HPLC purity > 99 % and are free of strong PCR inhibiting contaminants i.e. pyrophosphates, mono-, di- and tetraphosphates etc.



The daily 30 kb test demonstrates no loss in long range PCR performance during incubation over 16 days at - 20 °C (top) and at - 4 °C (bottom).

Product	Catalog #	Size
dNTP Mix, 10 mM each	R 200	0,2 ml
	R 203	1,0 ml
	R 205	5 x 0,2 ml
dNTP Mix, 2 mM each	R 180	1,0 ml
	R 185	5 x 1,0 ml
dNTP, dUTP Mix	R 190	1,0 ml
dATP, dCTP, dGTP 2 mM, dUTP 4 mM	R 195	5 x 1,0 ml

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DISTRIBUTOR