

# Certificate of Analysis

**Product Name:** dNTP Set, 100 mM Solution

**Catalog No.:** K6011100-1000/400/100

**Lot No.:** \_\_\_\_\_

**Shipping Condition:** Dry Ice

**Storage Condition:** -20°C

**Shelf Life:** One year from the date of receipt under proper storage condition

## Description

### **dATP, 100 mM**

dATP, (2'-deoxyadenosine 5'-triphosphate, sodium salt) F.W. 609  
100 mM in sterile, deionized water pH 7.0

### **dCTP, 100 mM**

dCTP, (2'-deoxycytidine 5'-triphosphate, sodium salt) F.W. 569  
100 mM in sterile, deionized water pH 7.0

### **dGTP, 100 mM**

dGTP, (2'-deoxyguanosine 5'-triphosphate, sodium salt) F.W. 609  
100 mM in sterile, deionized water pH 7.0

### **dTTP, 100 mM**

dTTP, (2'-deoxythymidine 5'-triphosphate, sodium salt) F.W. 584  
100 mM in sterile, deionized water pH 7.0

## Quality Control

1. The concentration is verified by optical density spectrophotometry.
2. This preparation is free of DNase contamination as determined by incubation of 4 dNTPs with radioactive substrates.
3. This preparation is free of RNase contamination as determined by incubation of 4 dNTPs with radioactive substrates.
4. The purity of this preparation is determined by HPLC. The minimum passing specification for the triphosphate content is 99.5%.
5. This lot of dNTPs has been performance tested with Taq DNA Polymerase.

## List of components:

1. 1000 µl 400 µl 100 µl of each dNTP
2. Certificate of Analysis.

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

