

BIOSAN,  
28, Ingenernaya Str.  
630090, Novosibirsk, Russia  
tel.: +7(383) 363-51-91, 363-22-40  
fax: +7(383) 363-51-91  
[mail@biosan-nsk.ru](mailto:mail@biosan-nsk.ru)  
[www.biosan-nsk.ru](http://www.biosan-nsk.ru)



## DATA QUALITY SHEET

### Set of ddNTP (Dideoxynucleotide triphosphates)

#### FOR RESEARCH USE ONLY

ddNTP Set contains four separate solutions of ultrapure ddATP, ddCTP, ddGTP, and ddUTP at a concentration of 10 mM supplied as clear aqueous solutions (pH 8.0 +/-0.2).

All ddNTPs are available as set or single dideoxynucleotide triphosphates.

#### Description

##### ddATP

2',3'-Dideoxyadenosine-5'-triphosphate, as sodium, lithium, ammonium or triethylammonium salts. Molecular formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>11</sub>P<sub>3</sub> (Anion)

Molecular weight: 472.16 (Anion)

##### ddCTP

2',3'-Dideoxycytidine-5'-triphosphate, as sodium, lithium, ammonium or triethylammonium salts.

Molecular formula: C<sub>9</sub>H<sub>13</sub>N<sub>3</sub>O<sub>12</sub>P<sub>3</sub> (Anion)

Molecular weight: 448.13 (Anion)

##### ddGTP

2',3'-Dideoxyguanosine-5'-triphosphate, as sodium, lithium, ammonium or triethylammonium salts.

Molecular formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub> (Anion)

Molecular weight: 488.16 (Anion)

##### ddUTP

2',3'-Dideoxyuridine-5'-triphosphate, as sodium, lithium, ammonium or triethylammonium salts.

Molecular formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>13</sub>P<sub>3</sub> (Anion)

Molecular weight: 452.14 (Anion)

For *in vitro* use only

#### Delivery form

Sterile water solution of ammonium salt nucleotide. Colorless transparent liquid.

#### Concentration

0.01 M each

#### Quality control

- Purity according to HPLC analysis is 98-99%.
- Product is free of DNases, RNases and phosphatases activities.
- Functionally tested by chain termination sequencing reactions.
- Free of pyrophosphate.
- Free of DNA and RNA.

#### Storage

-20°C. Avoid multiple freezing-thawing.

#### Transportation

The product does not require special conditions of transportation.