

CERTIFICATE OF ANALYSIS

3 M Sodium Acetate Solution,
pH 5.2, molecular biology grade

#R1181 5 x 1 ml

Lot:

Store at 4°C

In total 5 vials.

Description

3 M sodium acetate, pH 5.2, 0.22 µm membrane filtered, sterile. DNase and RNase free.

Applications

- DNA precipitation.
- RNA precipitation.

PRODUCT USE LIMITATION.

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.fermentas.com for Material Safety Data Sheet of the product.

(1) Revised 21.03.2008

QUALITY CONTROL ASSAY DATA

Labeled Oligonucleotide (LO) Assay

No detectable degradation of single-stranded and double-stranded oligonucleotide was observed after incubation of 1 μ l (1/10 volume) of 3 M Sodium Acetate Solution, pH 5.2, for 16 hours at 37°C

Ribonuclease Assay


No detectable RNA degradation was observed after incubation of 1 μ l (1/10 volume) of 3 M Sodium Acetate Solution, pH 5.2, with 0.08 μ g of 2 kb RNA transcript in 10 μ l of reaction buffer containing 10 mM magnesium chloride for 4 hours at 37°C.

Nicking Activity Assay

No detectable conversion of covalently closed circular DNA to nicked DNA was observed after incubation of 5 μ l (1/10 volume) of 3 M Sodium Acetate Solution, pH 5.2, with 1 μ g of pUC19 DNA in 50 μ l of reaction buffer 10 mM magnesium chloride for 16 hours at 37°C.

Functional Assay

More than 90% of RNA transcript was recovered after alcohol precipitation using 1/10 volume of 3 M Sodium Acetate Solution, pH 5.2.

Quality authorized by:  Jurgita Zilinskiene