



Reliable quality for microbiology, molecular biology and cell culture.

Denoted concentrations of working solutions are guiding values and have to be established for each application and cell type.

## Actinomycin D

≥950 µg/mg, for biochemistry

Peptide antibiotic. Pure actinomycin C<sub>1</sub>.

Specific inhibitor of DNA-dependent RNA-synthesis. Inhibition is caused by intercalation in dsDNA and, therefore, is not specific for procaryotic cells.

Standard application is the preparation of cDNA.

Actinomycin D is cytostatic, toxic and sensitive to light.

Stock solution should be kept in a bottle covered with foil.

Stock solution 10 mg/ml in DMSO or methanol.

Storage of stock solution: protected from light at -20 °C

Working concentration: 50 µg/ml

C<sub>62</sub>H<sub>86</sub>N<sub>12</sub>O<sub>16</sub> · M 1255,5 g/mol

Storage temperature: +4 °C

UN no. 3462 · ADR 6.1 II · WGK 3

**Danger** H300-H351-H360FD

Art. No.	Pack Qty.	Pack.	€
8969.1	5 mg	glass	128,50

## Amphotericin B

≥750 I.U./mg, for biochemistry

Broad-range fungicide, polyene. Alteration of cell membrane permeability by attachment to sterols.

Alteration of cell membrane permeability by attachment to sterols. High concentration causes pore formation in cell membranes in general. Amphotericin A: ≤0,4 %

Stock solution: 40 mg/ml in DMSO.

Storage of stock solution: -20 °C

Working concentration: ≥3 µg/ml

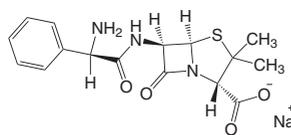
C<sub>47</sub>H<sub>73</sub>NO<sub>17</sub> · M 924,10 g/mol

Storage temperature: +4 °C

WGK 3

**Warning** H315-H319-H335

Art. No.	Pack Qty.	Pack.	€
0246.1	50 mg	glass	27,85
0246.2	250 mg	glass	90,85
0246.3	500 mg	glass	160,20



## Ampicillin sodium salt

CELLPURE® ≥91 %

β-lactam antibiotic. Semi synthetic penicillin. For cell culture and biochemistry.

Inhibits cell wall biosynthesis in growing bacteria.

**Endotoxins: <0.15 E.U./mg**

Stock solution: 50 mg/ml in H<sub>2</sub>O. Storage of stock solution: -20 °C, aliquoted.

Working concentration in LB-plates or media: 50–100 µg/ml.

**Important:**

Solubilised ampicillin loses approx. 65 % activity after 7 days at +4 °C.

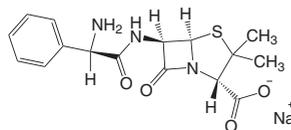
C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>NaO<sub>3</sub>S · M 371,39 g/mol

Storage temperature: +4 °C

WGK 1

**Danger** H317-H334

Art. No.	Pack Qty.	Pack.	€
HP62.1	10 g	plastic	56,90
HP62.2	50 g	plastic	209,65



## Ampicillin sodium salt

≥97 %, BioScience Grade, for molecular biology

β-lactam antibiotic. Semi synthetic penicillin.

Inhibits cell wall biosynthesis in growing bacteria.

Stock solution: 50 mg/ml in H<sub>2</sub>O. Storage of stock solution: -20 °C, aliquoted.

Working concentration in LB-plates or media: 50–100 µg/ml.

**Important:**

Solubilised ampicillin loses approx. 65 % activity after 7 days at +4 °C

C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>NaO<sub>3</sub>S · M 371,39 g/mol

Storage temperature: +4 °C

WGK 1

**Danger** H317-H334

Art. No.	Pack Qty.	Pack.	€
K029.1	10 g	plastic	28,95
K029.4	25 g	plastic	53,25
K029.5	50 g	plastic	93,45
K029.2	100 g	plastic	160,20
K029.3	250 g	plastic	342,95

▶ IPTG and X-β-Gal see Life Science – Molecular Biology page 140