



## Product Insert

### Carbenicillin Solution

**Product:**  
Carbenicillin Disodium Salt Solution

**Catalogue Number:**  
BIO-87026 10ml

#### Features

- Cost effective
- Ready-to-use solutions
- Time saving
- Stable at -20°C
- Solutions in ethanol can be used directly from the freezer
- Avoids handling of toxic or harmful substances
- No sterile filtration required

#### Applications

- Cell culture
- Plasmid selection
- Gene regulation

#### Description

Carbenicillin is an ampicillin analogue that inhibits bacterial cell wall synthesis, and is commonly used in place of ampicillin to reduce the production of satellite colonies. Carbenicillin is more stable than ampicillin at low pH, which usually arises during bacterial fermentation. Carbenicillin resistance is mediated by cleavage of the  $\beta$ -lactam ring by  $\beta$ -lactamase (*bla* gene).

#### Product Specifications

**Batch No:**  
See vial.

**Storage Conditions:**  
Carbenicillin Solution can be stored at -20°C for 12 months. Carbenicillin Solution will remain stable if stored as specified.

**Shipping Conditions:**  
On Blue Ice

**Concentration:**  
100mg/ml in 50% Ethanol

**CAS Number:** 4800-94-6

#### Safety Precautions:

This product is for R&D use only, not for human use, or any other use. Flammable. May cause sensitization by inhalation and skin contact. Please refer to the material safety data sheet for information regarding hazards and safe handling practice.



Xn: HARMFUL



F: FLAMMABLE

#### Associated Products:

Product Name	Pack Size	Cat No
$\alpha$ -Select Gold Efficiency	1ml (20 x 50 $\mu$ l)	BIO-85027
$\alpha$ -Select Electrocompetent	1ml (10 x 100 $\mu$ l)	BIO-85028
CH <sub>2</sub> -Blue Competent Cells	1ml (10 x 100 $\mu$ l)	BIO-85039
3' RACE Kit	20 Reactions	BIO-86032
SOC Medium	10 x 10ml	BIO-86033

#### Notes

1. This product insert is a declaration of analysis at the time of manufacture.
2. Research Use Only.

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