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## 头孢噻肟钠/头孢霉素/噻孢霉素溶液(100mg/ml)

### Cefotaxime Solution (100mg/ml)

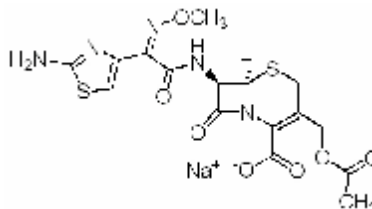
#### ● 产品包装:

产品编号	产品名称	产品包装	说明书
CR0520S	头孢噻肟钠溶液(100mg/ml)	5×1ml	1份

CAS: 64485-93-4

Formula: C<sub>16</sub>H<sub>16</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>Na

MW: 477.45



#### ● 产品简介:

Cefotaxime is an inhibitor of cell wall synthesis and chemically related to penicillin. It is highly effective against Gram-negative bacteria. Cefotaxime is often used in transformation research for the elimination of *Agrobacterium tumefaciens*. Additionally, cefotaxime also has stimulatory effect. It is founded that addition of cefotaxime to medium enhances shoot organogenesis *in vitro* for many plants (apple, barley, grain, maize, etc.).

A concentration of 90 µg/mL is recommended to achieve microbe toxicity. Cefotaxime concentrations should not exceed 100 µg/mL in order to avoid toxicity for plants (though plant toxicity may be higher or lower than 100 µg/mL for different plant species).

#### ● 保存条件:

-20℃保存。有效期12个月。

#### ● 注意事项:

1. 尽注意无菌操作，避免污染。
2. 避免反复冻融。
3. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

#### ● References:

1. Danilova, S.A., Yu. I. Dolgikh. 2004. The stimulatory effect of the antibiotic cefotaxime on plant regeneration in maize tissue culture. *Russian Journal of Plant Physiology*. 51. 559 -562.
2. Rao, A.m., K. Padma Sree, and P.B. Kavi Kishor. 1995. Enhanced plant

注：本制品仅供科研用。请勿用于人体及动物的医疗、临床诊断或作为食品、化妆品、家庭用品的添加剂等用途。

regeneration in grain and sweet sorghum by asparagines, proline and cefotaxime.  
*Plant Cell Reports*. 15. 72-75.