

FUJIFILM

Wako

Code No. 048-34371 (200 μ g)

Diphtheria Toxin Solution

ジフテリア毒素溶液

Diphtheria toxin is a secreted single polypeptide produced by a gram-positive bacterium, *Corynebacterium diphtheriae*. This toxin consists of A and B fragments linked by a disulfide bond. The A fragment inhibits protein synthesis by catalyzing the ADP-ribosylation of eukaryotic Elongation Factor 2 (EF-2). The B fragment is the receptor-binding domain of the toxin.

Source : *Corynebacterium diphtheriae*

Appearance : Solution, dissolved in 20 mmol/L Tris-HCl (pH7.2), 150 mmol/L NaCl and 10% Glycerol.

Protein Concentration : Indicated on the label.

Molecular Weight : Approximately 58,000

[Caution]

This product is extremely toxic. Wear protective gloves and other protection, when handling this product. Do not mouth pipette. Avoid skin contact. Soak utensils and toxin solution overnight in a 2% NaOH solution or NaClO solution containing 1% available chlorine, or boil for 20 minutes.

This product is for research use only. Do not use this product on humans.

[ご使用上の注意]

本品は強い毒性をもっています。本品を取扱いの際は保護手袋や防護服をご使用下さい。口でのピペッティングを避けて下さい。肌や傷口に触れさせないで下さい。

また、使用した器具及び毒素溶液は必ず2%水酸化ナトリウム溶液または有効塩素約1%含有の次亜塩素酸ナトリウム溶液に一晩浸漬するか、20分間煮沸し、毒素を分解して下さい。

本品は、試験・研究の目的にのみ使用されるもので、医療には用いないで下さい。

[Storage]

Store at -80°C in the dark.

[Expiration date]

Printed on the label.

[Pckage]

200 μ g

[References]

1. Ittelson, T. R. *et al.* : *Nature*, **242**, 330 (1973).
2. Pappenheimer, A.M. Jr. : *Annu. Rev. Biochem.*, **46**, 69 (1977).

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