

Botulinum Neurotoxin Type A1 Complex

purified Botulinum Neurotoxin Complex Subtype A1

Product: #3102
 Lot: #3102-AHWL-03-01
 Storage: - 80 °C
 Exp. Date: n/a

Intended Use and Safety Instructions

This product is intended for research and development purposes only. It is not intended for use in humans. Botulinum Neurotoxins are highly toxic! Please refer to the material safety data sheet and follow the general guidelines and recommendations for working with Botulinum Neurotoxins. If you are unsure of its proper handling, please contact us. miprolab cannot be held responsible for any misuse or improper handling of the toxin.

Contents

The purified Botulinum Neurotoxin complex was obtained from viable *Clostridium botulinum* cultures. The toxin complex was purified by combined filtration and chromatographic techniques. Each vial contains the toxin in phosphate buffered saline, pH 6.0

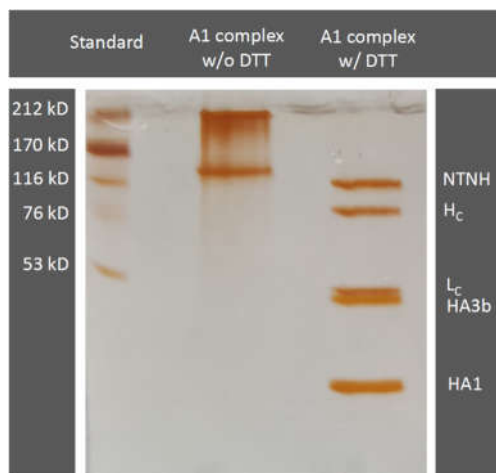
Protein Concentration

Protein concentration was determined photometrically by absorbance at 280 nm and an arbitrary extinction coefficient of 1.6. The concentration is ~ 1.53 mg/mL

SDS-PAGE

The purified Botulinum Neurotoxin was separated in SDS-PAGE using reducing and non-reducing conditions (DTT treatment). The toxin migrated as a major single band applying non-reducing conditions and as two bands after DTT treatment representing the heavy and light chain of the molecule.

SDS-PAGE, w and w/o DTT



Toxicity

Biological activity of the toxin complex solution was determined relative to a standard established with the mouse bioassay using NMRI mice weighing 20-26 g. The dilutions were injected intraperitoneally and mouse lethal doses (MLD) were calculated. The toxin solution has a minimum biological activity of 10⁷ MLD/mg.

Storage and stability

The product is supplied as liquid and should be stored at - 80 °C. Please avoid repeated freeze-thaw cycles. Long-term storage data are not available.

Technical support

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