

# Specification sheet

## *Clostridium difficile* toxinB (TcdB)

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<b>Name</b>	TcdB-1470
<b>Catalogue number</b>	TGC-T-102
<b>Description</b>	<i>Clostridium difficile</i> TcdB-1470 purified by chromatography
<b>Source</b>	<i>Clostridium difficile</i> , strain 1470, ribotype 017
<b>Product type</b>	native protein
<b>Protein concentration</b>	varies from 0,3 mg/ml to 5,0 mg/ml
<b>Purity</b>	> 90 %
<b>Storage buffer</b>	50 mM Tris-HCl pH 7.5, 0.5 M NaCl with 20 % glycerol
<b>Storage</b>	the protein should be stored undiluted at <b>-20°C</b> ; avoid repeated cycles of freezing and thawing; to minimize bacterial contamination the product should be handled in an sterile environment
<b>Functional studies</b>	cytotoxicity was confirmed by morphological alteration of CHO cells after treatment with a $10^{-4}$ to $10^{-7}$ dilution of TcdB (depending on the protein concentration of the stock solution) for 24 h
<b>Quality control</b>	protein concentration was determined in parallel by an capture ELISA using plates coated with monoclonal antibodies directed against TcdB and by the Bradford protein assay. Purity was checked visually by Coomassie stained SDS-PAGE analysis
<b>Country of origin</b>	Germany

This product is for LABORATORY RESEARCH USE and further manufacture only, and can not be administrated to human and animals for use in diagnostic and therapeutic procedures. This product does not contain material from human origin and should only be handled by qualified and experienced professionals.