



Technical Data Sheet

GENERAL INFORMATION

PRODUCT	<i>Giardia intestinalis</i> Monomeric CWP1, expressed in yeast. Glycerol-free.
Cat. No.	MT01K-S1CWP1MA
QUANTITY	1 mg
DESCRIPTION	Monomeric CWP1 is a <i>Giardia intestinalis</i> cyst wall protein 1 expressed and purified from <i>Komagataella phaffii</i> . CWP1 protein is one of the principal targets of monoclonal antibodies to this intestinal parasitic protozoan in a clinical specimen, which makes this protein useful for diagnosis of giardiasis. This product is supplied in a glycerol-free buffer.

PRODUCTS PROVIDED

<u>Component</u>		<u>Amount</u>
01K-S1CWP1MA	<i>Giardia intestinalis</i> Monomeric CWP1. Glycerol-free.	1 vial x 1 mL

DELIVERY CONDITIONS

01K-S1CWP1MA 1 mg of Monomeric CWP1 at 1 mg/mL in PBS 1x, 0.09 % NaN₃.

SHIPPING CONDITIONS This product requires cold shipment conditions. Store the protein from -20 °C to -80 °C upon arrival.

STORAGE CONDITIONS Store at a temperature range from -20 °C to -80 °C for medium and long term. Storage at 4 °C is possible for short term. Avoid multiple freeze/thaw cycles by storing multiple aliquots at -80 °C.

QUALITY CONTROL

PROTEIN CONCENTRATION

Concentration of Monomeric CWP1 is determined by UV absorption at 280 nm using the extinction coefficient of 36535 M⁻¹ cm⁻¹ and the molecular weight of 26867 daltons.





PROTEIN PURITY

Purity is determined by the ratio of absorbance at 260 and 280 nm and by SDS-PAGE. A 260/280 ratio below 1.7 is accepted and indicates low DNA contamination compared to the protein concentration. SDS-PAGE allows verification of protein band purity, with a purity level of >90% being acceptable.

TECHNICAL SUPPORT

If you have any questions, feel free to contact us at support@levprot.com

Consult the Safety Data Sheet for information regarding hazards and safe handling practises.

THIS PRODUCT IS INTENDED FOR RESEARCH USE ONLY.

DATE 22/07/2024

REVISION 06

