

Product Specification

Product Name:

Thioredoxin Reductase from rat liver - buffered aqueous glycerol solution, ≥ 100 units/mg protein (Bradford)

Product Number:

T9698

CAS Number:

9074-14-0

Storage Temperature:

-20 °C

TEST	Specification
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Appearance (Form)

Conforms

Clear Solution

Appearance (Colour)

Colorless to Faint Yellow

Gel Electroph. (Gel)

SDS-Page

Gel Electroph. (Stain)

Coomassie

Gel Electroph. (Purity)

 ≥ 90.0 %

Gel Electroph. (Description)

2 Major Bands

Protein Content (Method)

Bradford

Prot. Content (ug Protein/Vial)

50.00 - 75.00 $\mu\text{gP/vi}$

Vial Content (Size)

50 - 50

Vial Content (Unit Of Measure)

 $\mu\text{g Protein}$

Vial Content (Actual Content)

50.00 - 75.00

Vial Content (Overpack)

 ≤ 50.00 %

Enzym. Assay (Spec. Activity)

 ≥ 100.00 U/mgP

Enzym. Assay (Contam. Name)

Glutathione Reductase

Enzym. Assay (Activity contm.1)

 ≤ 0.500 U/mgP

Unit Definition

One unit will cause an increase in absorbance of 1.0 at 412 nm (when measured in a non-coupled assay containing DTNB [Sigma No. D8130] alone as substrate) per minute at pH 7.0 at 25 °C.

Recommended Retest Period

2 Years

Specification: PRE.4.ZQ5.10000001200

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

