

Lowry Protein Quantification Kit

Cat. No. PQT-003 Lot. No. (See product label)

SPECIFICATION

Product Overview	Under alkaline conditions, the peptide bond in the protein binds to copper to form a complex, and the phosphomolybdate-phosphotungstate in the Folin-phenol reagent is reduced by the tyrosine and phenylalanine residues in the complex protein, producing a deep blue color. Under certain conditions, the depth of the blue color is proportional to the amount of protein, and the amount of protein can be calculated according to the size of the light absorption value at 750 nm.
Specification	250 T, 1,000 T
Testing Methods	Enzyme labeler or spectrophotometer
Measurement Range	1-1,500 µg/ml
Applicable	Protein samples
Applications	Protein quantification
Instrument Preparation	1. Enzyme labeler or spectrophotometer 2. Pipette 3. Refrigerator 4. Icebox
Reagent Preparation	Pure water
Consumables	1. Centrifuge tube

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Preparation	2. Pipette tips 3. Disposable gloves 4. 96-well plate
Usage	1. When precipitation occurs in low temperatures or long-term storage, it can be stirred or incubated at 37°C to dissolve and should be discarded if bacterial contamination is found. 2. Many interfering substances may reduce the color response. 3. When using incubation, care should be taken to prevent water evaporation from affecting the results.
Shelf-life	1 year
Storage	2-8°C
Notes	1. Protein standards take care to prevent microbial contamination. Avoid repeated freezing and thawing. 2. Protein standards can be dispensed and frozen as needed. 3. Please use the reagents as soon as possible after unpacking.
Affirmation	This kit is intended for scientific research only and should not be used for clinical diagnosis or other purposes.