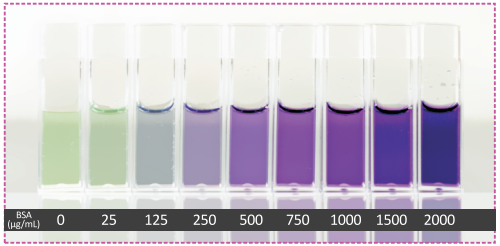
STANDARD CURVE PREPARATION



Calibration curve samples used to prepare BSA (Bovine Serum Albumine) Cod. PRTD083,0010 BSA Standard

Vial	Volume of Diluent		Volume and Source of BSA		Final BSA Concentration	
	Qpro	µQpro	Qpro	µQpro	Qpro	µQpro
A	0 µL	4.5 mL	300 µL of Stock 2.0 µg/mL	0.5 mL of Stock 200 µg/mL	2.0 µg/mL	200 µg/mL
B	125 µL	8.0 mL	375 µL of Stock 2.0 µg/mL	2.0 mL of vial A dilution	1.5 µg/mL	40 µg/mL
C	325 µL	4.0 mL	325 µL of Stock 2.0 µg/mL	4.0 mL of vial B dilution	1.0 µg/mL	20 µg/mL
D	175 µL	4.0 mL	175 µL of vial B diluition	4.0 mL of vial C dilution	750 µg/mL	10 µg/mL
E	325 µL	4.0 mL	325 µL of vial C diluition	4.0 mL of vial D dilution	500 µg/mL	5 µg/mL
F	325 µL	4.0 mL	325 µL of vial E diluition	4.0 mL of vial E dilution	250 µg/mL	2.5 µg/mL
G	325 µL	4.8 mL	325 µL of vial F diluition	3.2 mL of vial F dilution	125 µg/mL	1 µg/mL
H	400 µL	4.0 mL	100 µL of vial G diluition	4.0 mL of vial G dilution	25 µg/mL	0.5 µg/mL
I	400 µL	8.0 mL	0 µL	0 mL	0 mg/mL = Blank	0 mg/mL = Blank

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THE RIGHT LIGHT

QPRO-µQPRO

protein quantitation
Bicinchoninic Acid (BCA) kit

02

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TECHNICAL DESCRIPTION

QPRO and **µQPRO** are Bicinchoninic Acid (BCA) based protein assays for highly sensitive colorimetric analysis.
The BCA method is fast and easy, providing enhanced flexibility.

The Bicinchoninic acid assays (BCA) relie on the production of Cu+ which is converted into a violet-coloured solution when reacting with Bicinchoninic acid.

BSA (Bovine Serum Albumine) is the protein used as main reference in biological tests (as Bradford, BCA, BCA assaies, etc.).

STORAGE CONDITIONS

Store at RT.

FEATURES

Sensitive
Broad linear working range with excellent sensitivity (20 to 2000 µg/mL for QPRO and 0,5 to 20 µg/mL for µQPRO).

Versatile
Can be used with tubes and Microplates.

Universal
Less protein-protein variation than dye-binding methods.

Robust
Unaffected by most ionic and nonionic detergents such as TritonTM X-100 and SDS (1%).

Easy-to-use
Much easier and faster than the classical Lowry method.

QUICK START PROTOCOL

Pipette standard and unknown sample into appropriately labelled tubes
- 0,1mL for QPRO
- 1 mL for µQPRO.

Add the Working Solution and mix
- 2 mL (Reagent A + Reagent B , 50:1 vol. ratio) for QPRO
- 1 mL (Reagent A + Reagent B + Reagent C, 25:25:1 vol. ratio) for µQPRO.

Cover tubes and incubate
- at 37°C for 30min or at RT for 2h for QPRO
- at 60°C for 60min for µQPRO.

Cool down to RT and measure absorbance at 562nm using a spectrophotometer and use water as a blank.
Use the standard curve to determine the protein concentration of the unknown sample.