

ProtaQuant Assay Kit



Reliable, precise and reproducible determination of protein concentrations in high-throughput procedures!

96-well format assay kit for protein quantification. The kit bases on the precipitation of proteins as insoluble dye complexes with acidic, methanolic amido black 10B solution (1, 2). After precipitation the protein-dye complexes are spinned down. The pellet is washed and resolubilized. The thereby released dye amount is measured at 620 nm. Linearity from 100 to 1750 µg/ml protein. In triple measurement 23 samples can be analyzed (plus BSA standard and blank).

Note: Ampholytes bind to the dye as well and therefore simulate too high protein concentrations. Protein measurement of analytic solutions for 2DGE must be done before ampholyte addition.

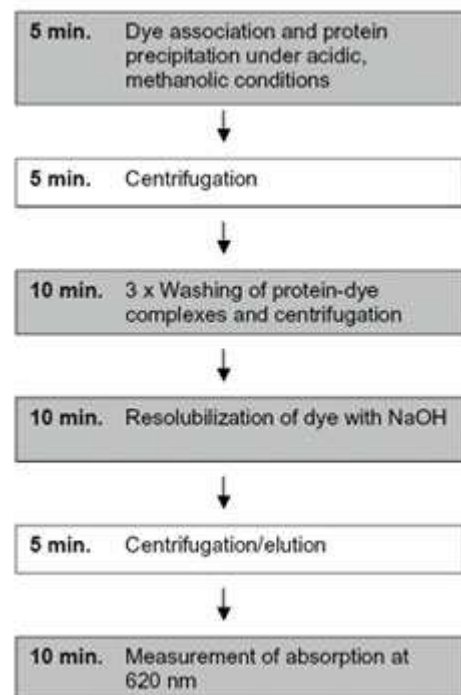
- Precise, reproducible, reliable assay data
- Fast assay procedure (45 min. only)
- No interference with detergents or reducing reagents
- High-throughput format (96-well plate)
- Linear detection range from approx. 100 - 1750 µg/ml protein

The kit contains 10x dye concentrate, elution solution, bovine serum albumin as standard reference, 96-well plates.

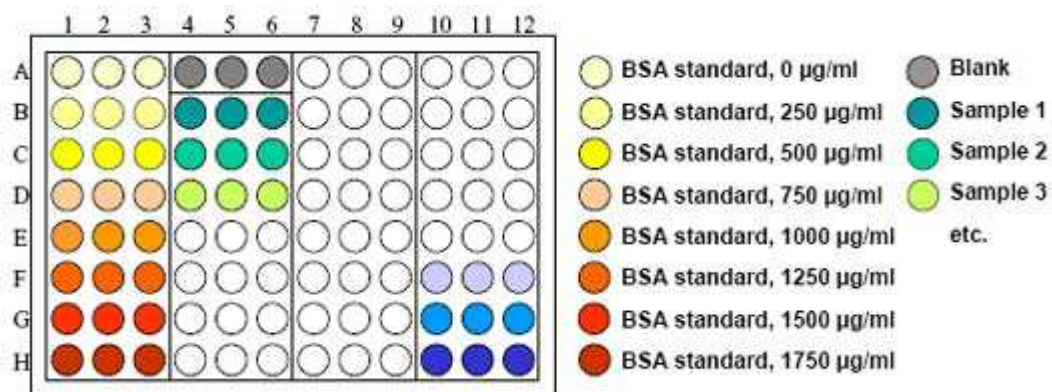
References:

1. Popov, N. et. al. (1975) Acta Biol. Med. Ger. **34(9)**, 1441-1446
2. Schaffner, W, Weismann, C. (1973) Anal. Biochem. **65**, 502-514

Overview of the Assay Procedure



Recommended layout for 1 - 23 samples in triple measurement:



Order Information

Product	Quantity	Cat. No.
ProtaQuant Assay Kit	1 kit	39225.01