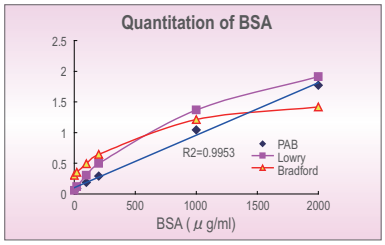
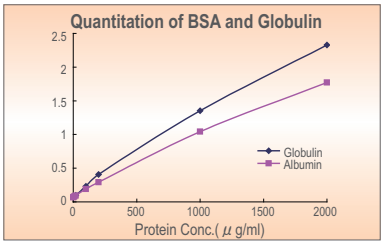
Protein Assay Bicinchoninate Kit

» **Lower effects for surfactants**
» **Leads a protein assay with broad range and linearity (Figure 1)**
» **Lower assay error for any proteins and background than (CBB) method (Figure 2)**
» **Higher compatible concentrations than Lowry method (Table)**
» **Easy to improve sensitivity by changing temperature and time (Figure 3)**

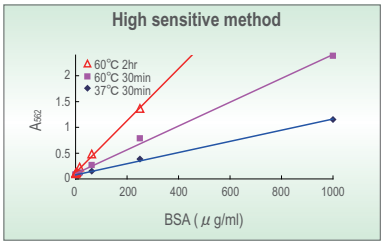
Basic method (37°C, 20-2000 µg/ml), Sensitive method (60°C, 5-250 µg/ml)



(Figure 1)



(Figure 2)



(Figure 3)

Table. Compatible Concentrations

Contamination of Substances	Compatible Concentrations	Contamination of Substances	Compatible Concentrations	Contamination of Substances	Compatible Concentrations	Contamination of Substances	Compatible Concentrations
NP-40	5 %	Sucrose	0.1 mg/ml	CHAPS	5 %	HCl	100 mM
SDS	5 %	Urea	3 M	Deoxycholic acid	5 %	NaOH	100 mM
Triton X-100	5 %	Guanidine	4 M	NaN_3	0.2 %	HEPES	300 mM
Tween® 20	5 %	DTT	1 mM	NaCl	1 M	Na_3VO_4	1 mM
EDTA	10 mM	2-ME	0.01 %	DMSO	10 %	Protease Inhibitor cocktail for General Use	1 X
Glucose	10 mM	TCEP	1 mM	Ethanol	10 %	Protease Inhibitor cocktail with Mammalian Cell and Tissue Extracts	1 X
Glycine	1 mM	Brij-35	5 %	Glycerol	10 %	Protease Inhibitor cocktail (EDTA free)	1 X

Principles

The Bicinchoninate method is a modified Lowry method that uses bicichoninic acid. Sodium Bicinchoninate causes the reduced copper to form a purple complex. The absorbance at 562 nm of this complex leads a protein assay with broad range (20-2,000 µg/ml) and linearity.

Kit Contents

Assay for test tube: 250 assays/1 kit, microplate 2500 assays/1 kit
Solution A: Bicinchoninic acid solution 250 ml × 2 bottles
Solution B: Copper sulfate solution 10 ml

Ordering Information

Product Name	Storage	Product No.	PKG Size
Protein Assay Bicinchoninate Kit	RT	06385-00	1 kit

Related products

Product Name	Storage	Product No.	PKG Size
Albumin, Bovine, Solution (2mg/ml) for Protein Assay	F	00653-31	10 x 1 ml
Protein Assay CBB Solution (5x)	RT	29449-44	100 ml
		29449-15	500 ml

[Storage] RT = Room temperature, F = Freezer