



Bradford Protein Assay Kit

PA002

Cat.No: PA002-1 250T
PA002-2 1000T

I. Kit contents:

Cat.No	PE002-1	PE002-2
Protein Standard Solution (5mg/ml)	1ml	2ml
Bradford 2x staining solution	25ml	100ml

II. Storage

1. Storage the Protein Standard Solution at -20°C.
2. Storage the Bradford 2x Staining Solution at 2-8°C.

III. Determination:

1. Preparation of Protein standard solution: Preparation of the corresponding volume of protein standard solution according to the quantity of the samples Dilute the protein standard storage solution with 5 volume DD H₂O to get the standard solution with the concentration of 1mg/ml.
2. Draw the Standard curve. Take a piece of enzyme label plate. Add the reagents according to the following table:

Well	0	1	2	3	4	5	6
Protein Standard Solution (μl)	0	1	2	4	6	8	10
DI water (μl)	100	99	98	96	94	92	90
Bradford 2x staining solution (μl)	100	100	100	100	100	100	100
Protein content (μg)	0	1	2	4	6	8	10

3. Oscillate and mix the solution. Put them at room temperature for 5-10mins.
4. Determination them with enzyme-labeled instrument at A595. Using the absorbance of the well without BSA as blank control
5. Define the Protein content (μg) to be x-coordinate, the absorbance to be y-coordinate. Then drawing the standard curve.
6. Test samples: Dilute the protein samples into suitable concentration with DI water. Add 100μl 2x Bradford staining solution and 90μl DI water into 10μl sample. Oscillate and mix. Lay aside for 5-10min. Define Well 0 to be the Control. Then determining the absorbance of samples at A595
7. Get the protein content of the samples from the Standard curve by using the absorbances.
8. Calculations of protein concentration:
The sample concentration= protein content / sample volume (10μl) x dilution ratio.

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