

**Product Data Sheet**

Product Name: Bradford Protein Quantification Kit  
 Cat. No.: GK10027

**Components**

**Components 1000 tests**  
 Bradford 125mL \* 2  
 BSA 2000µg/ml 1mL \* 5

**Features**

Applications	
Shipping	
Storage	Bradford 4°C, BSA 4°C, -20°C
Usage	For Research Use Only! Not For Use in Humans.

**Protocol**

1. Preparation of standards

- 1.1 0.9% NaCl PBS (2mg/ml BSA)
- 1.2

	Stock (µl)	Sample (µl)	Concentration (µg/ml)
A	0	100 µl of 2 mg/ml Stock	2000 µg/ml
B	15 µl	45 µl of tube A	1500 µg/ml
C	30 µl	30 µl of tube A	1000 µg/ml
D	30 µl	30 µl of tube B	750 µg/ml

**Caution: Product has not been fully validated for medical applications. For research use only.**  
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E	30 μl	30 μl of tube C	500 μg/ml
F	30 μl	30 μl of tube E	250 μg/ml
G	30 μl	30 μl of tube F	125 μg/ml
H	30 μl	0	0 (blank)

2. 5 μl of each sample into 96-well plate

3. 5 μl of Bradford reagent

4. Mix

① 5 μl of each sample into 5 μl of

② reagent

4. 250 μl Bradford reagent

5. 595 nm wavelength, 560-610 nm wavelength

6. 2 min, 2 min

6. 2 min, 2 min

**Background**

Bradford Protein Quantification Kit is a protein concentration determination kit with fast detection speed, good stability, high sensitivity, and the detection data has a good linear relationship.

This kit is developed based on the Bradford method, one of the two most commonly used protein concentration detection methods. It is one of the most sensitive protein

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concentration detection methods currently commonly used. After the Coomassie Brilliant Blue G-250 dye in the dye solution binds to the protein, the maximum absorption peak of the dye changes from A456 to A595, and the measured absorbance value is proportional to the protein concentration. Therefore, the protein concentration in the solution can be determined by detecting the absorbance at 595 nm, achieving a quick and easy protein concentration determination.

The detection speed of this kit is extremely fast. It takes less than 10 minutes to process 10-20 samples. Compared with the BCA method, the detection time is greatly shortened. It is not affected by the chemical reagents in most samples, and the detection results are reliable.

Bradford Protein Quantification Kit

Bradford G-250 A456 A595 595nm

10-20 10 BCA

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