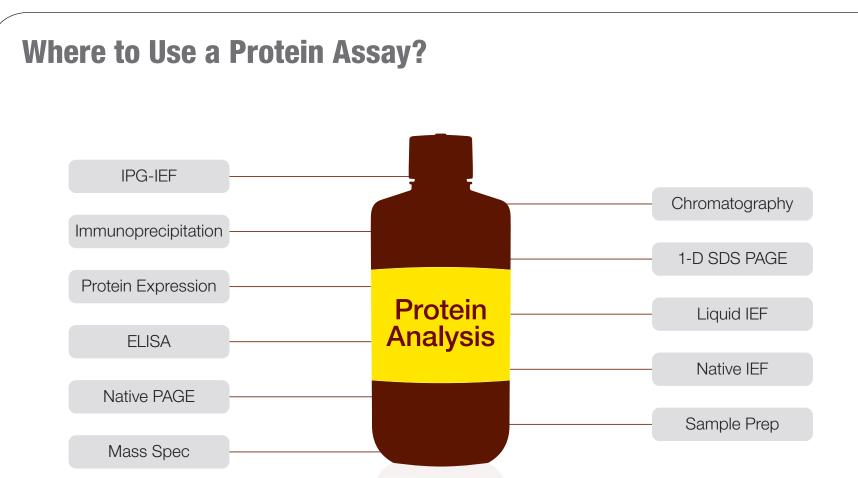


Protein Assays From Bio-Rad

Kits for total protein quantitation

www.bio-rad.com/proteinassaykits



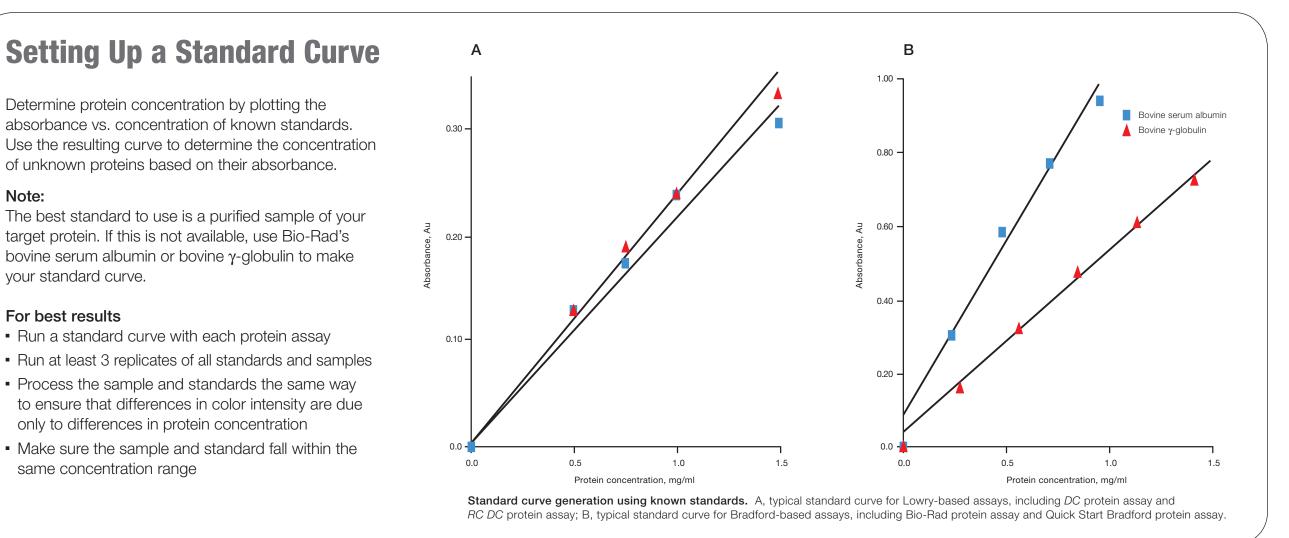
Setting Up a Standard Curve

Determine protein concentration by plotting the absorbance vs. concentration of known standards. Use the resulting curve to determine the concentration of unknown proteins based on their absorbance.

The best standard to use is a purified sample of your target protein. If this is not available, use Bio-Rad's bovine serum albumin or bovine γ-globulin to make

your standard curve.

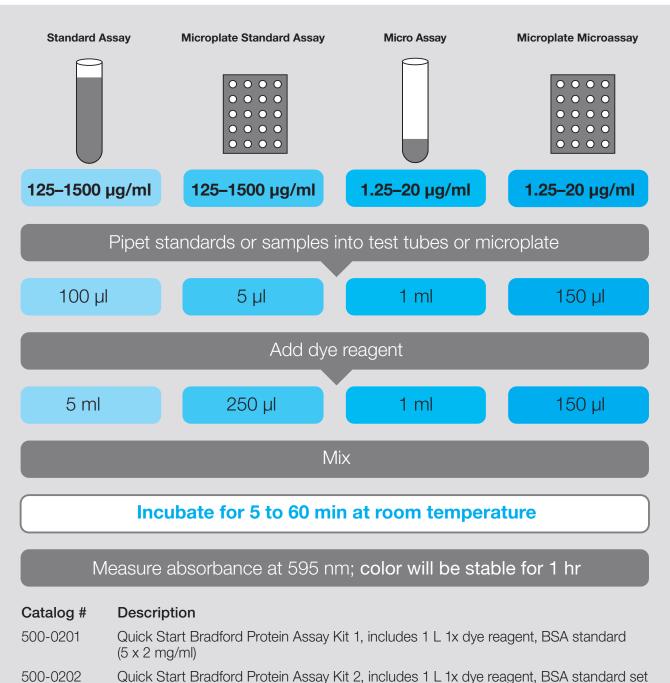
- For best results Run a standard curve with each protein assay
- Process the sample and standards the same way to ensure that differences in color intensity are due only to differences in protein concentration
- Make sure the sample and standard fall within the same concentration range





Quick Start[™] Bradford Protein Assay

Quick and easy to use, includes standards and prediluted reagent



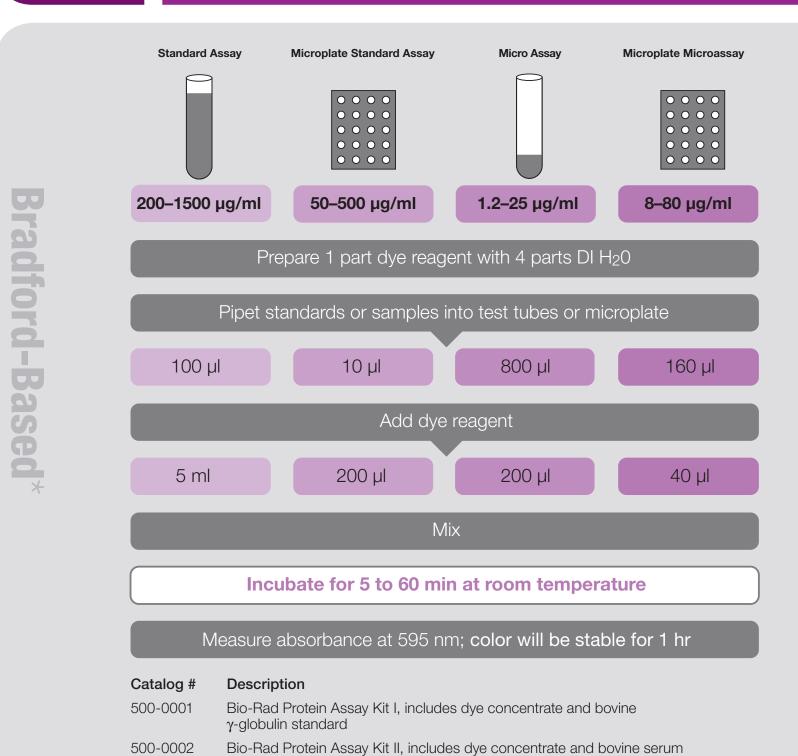
Quick Start Bradford Protein Assay Kit 2, includes 1 L 1x dye reagent, BSA standard set (14 x 2 ml of 0.125–2.0 mg/ml)

Quick Start Bradford Protein Assay Kit 3, includes 1 L 1x dye reagent, bovine γ-globulin 500-0203

standard (5 x 2 mg/ml) 500-0204 Quick Start Bradford Protein Assay Kit 4, includes 1 L 1x dye reagent, bovine γ-globulin standard set (14 x 2 ml of 0.125-2.0 mg/ml)



Bio-Rad Protein Assay Includes standards and reagent



BES Bis-Tris, pH 6.5 Boric acid Brij-35 C₁₂E₈ Cacodylate-Tris Calcium chloride CDTA CHAPS CHAPSO Citrate Deoxycholate Deoxycholic acid Dithioerythritol (DTE) Dithiothreitol (DTT) DMSO Eagle's MEM Earle's salt solution EDTA EGTA Ethanol Formic acid Fructose Glucose Glutathione Glycerol Glycine Guanidine HCI Hank's salt solution

Reagent Compatibility

10%

10%

1 M

0.5%

0.05 M

0.2 M

Acetone

Acetonitrile Acidic pH

Adenosine Amino acids

Ammonium sulfate Ampholytes pH 3-10

Ascorbic acid

Barbital

0.6 M

0.001 M

1 M

0.5%

0.001 M

2.5 M

 $\sqrt{}$

0.1 M

0.5 M

1%

0.2%



DC[™] Protein Assay

Detergent compatible



RC DC[™] Protein Assay **Reductant and detergent compatible**

albumin standard

Standard Assay Microplate Assay 200-1500 μg/ml 200-1500 μg/ml Mix reagent S with reagent A in a ratio of 20 µl:1 ml to create desired amount of reagent A' Pipet standards or samples into test tubes or microplate 100 µl Add reagent A' 500 µl 25 µl Mix Add reagent B 200 µl 4 ml Mix Incubate at room tempature for a minimum of 15 min Measure absorbance at 750 nm; color will be stable for 1 hr Catalog # DC Protein Assay Kit I, includes DC protein assay reagents package and bovine 500-0111 DC Protein Assay Kit II, includes DC protein assay reagents package and bovine

Related Products

500-0112

Catalog #	Description
168-1130	iMark [™] Microplate Absorbance Reader
170-2502	Standard Cuvette, 1-3.5 ml, quartz
170-2503	Semimicrovolume Cuvette, 0.5-1.4 ml, quart
170-2504	Microvolume Cuvette, 200-700 µl, quartz
170-2505	Submicrovolume Cuvette, 80-100 µl, quartz
170-2510	trUView [™] Cuvettes, pack of 50

serum albumin standard

Catalog # Description 170-2511 170-2525

trUView Cuvettes, pack of 100 SmartSpec[™] Plus Spectrophotometer 223-9950 Standard Disposable Polystyrene Cuvettes, 3.5 ml, pack of 100 223-9955 Semimicrovolume Disposable Polystyrene Cuvettes, 1.5 ml, pack of 100

Microfuge Tube Assay Standard Assay 200-1500 μg/ml 200-1500 μg/ml Mix reagent S with reagent A in a ratio of 20 µl:1 ml to create desired amount of reagent A' Pipet standards or samples into test tubes Sed 100 µl 25μ l Add RC reagent I to each test tube 500 µl 125 µl Mix and incubate for 1 min at room temperature Add RC reagent II to each test tube 125 µl 500 µl Mix and centrifuge for 5 min at 15,000 x g Discard the supernatant. Allow the liquid to drain completely Add reagent A' to each test tube 127 µl 510 µl Mix and incubate for 1 min at room temperature Add DC reagent B to each test tube 4 ml 1 ml Mix and incubate for 15 min at room temperature Measure absorbance at 750 nm; color will be stable for 1 hr Catalog

RC DC Protein Assay Kit I, includes RC reagents package, DC protein assay

RC DC Protein Assay Kit II, includes RC reagents package, DC protein assay

reagents package, bovine γ-globulin standard

reagents package, bovine serum albumin standard

500-0121

500-0122

0.04 M 0.05 M 0.05 M 10% 1% 2% 10% 1% 0.05 M 0.1% 0.2% 0.01 M 0.01 M 1 M 0.001 M 0.1 M 5% 1 mg/m 0.2 M 0.1 M 0.025 M 0.1 M 0.05 M 0.2 M 10% 1.0 M 20% $\sqrt{}$ 5% 99% 0.1 M 0.1 M 2 M 0.4 M 0.1 M 0.5 M **HEPES** 0.1 M 0.1 M 0.2 M 0.5 M Imidazole Laemmli buffer 1 M 1 M Magnesium chloride 0.2 M Malic acid 1 M 1 M 5% 2-Mercaptoethanol 0.1 M 0.7 M 10% Methanol Modified Dulbecco's PBS _ 0.2 M MOPS 0.1 M 0.002 M 0.001 M NAD 3 M NaSCN 0.25% Nonidet P-40 2% Octyl β-glucoside 0.5% 1% Octyl β-thioglucopyranoside 1% PBS Peptone 0.5 mg/ml Phenol Red 5% Phenol 1 M Phosphate 0.2 M 0.5 M PMSF 0.002 M 0.001 M Polyadenylic acid Polypeptides (MW <3000) 1 M 2 M Potassium chloride 0.5 M Potassium phosphate 0.2 M Pyrophosphate 0.25 mg/m rRNA SB 3-10 0.1% SDS 0.03% 0.1% 10% Sodium acetate, pH 4.8 0.2 M 0.5% 0.05% Sodium azide 0.2 M Sodium bicarbonate 0.1 M Sodium carbonate 2.5 M 5 M Sodium chloride Sodium citrate, pH 4.8 or 6.4 0.2 M Sodium hydroxide 0.1 M 0.5 M 2.5 M Sodium phosphate 0.5 M 20% Streptomycin sulfate 10% Sucrose 0.005 M 0.002 M 0.5x TBS TCEP 0.02 M Thesit 1% 1 M Thiourea 0.001 M Thymidine Total RNA 0.30 mg/m 0.05 M Tricine Triethanolamine, pH 7.8 0.05 M 1 M 2 M 0.1 M 0.5 M Tris, pH 8 1x Tris/glycine 0.5x Tris/glycine/SDS 0.05% 0.1% Triton X-100 1% 2% tRNA 0.4 mg/m Tween 20 0.01% 1% 2% 0.001 M Tyrosine 4 M 6 M 4 M Urea Vitamins Reagents tested for compatibility. Concentrations represent maximum concentrations for standard assay. $\sqrt{\ }$ = compatible: — = not tested; X = not compatible.