

PROTEIN CONCENTRATION ASSAY KIT

KB03031 - 100/200/400 Tests

DESCRIPTION AND USE

Knowing the concentration of the protein present in a sample is necessary for some laboratory protocols. It also adds the advantage of removing other potential interfering substances like salts and detergents. **BQC Protein Concentration Kit** allows to obtain protein concentrates that can be used for several applications, including Western blot, SDS-PAGE or 2D-gels. Do not use the concentrates for the measurement of biochemical activity, the proteins will be denatured after this protocol.

BQC Protein Concentration Kit ensures the highest protein recovery and is adapted for different initial concentrations (higher than 5 µg/mL or lower than 1 µg/mL). **The volume of sample required per test is 1 mL.**

MATERIALS SUPPLIED

Item	No. Tests	Quantity
Reagent A	100	1
	200	2
	400	4
Reagent B	100	1
	200	2
	400	4
Reagent C	100	1
	200	2
	400	4
Reagent D	100	1
	200	2
	400	4

STORAGE AND STABILITY

On receipt store kit components at RT. Do not use after the expiration date stated on the packaging.

ASSAY PROTOCOL

		Concentration > 5 µg/mL	Concentration < 1 µg/mL
1	10 min	Place the solutions on ice to ensure they are cold	
2		Add 100 µL of Reagent B to 1 mL of sample	Add 100 µL of Reagent A to 1 mL of sample
3	1 min	Vortex	
4	10 min	-	Incubate at RT
5		-	Add 50 µL of Reagent B
6	1 min	-	Vortex
7	30 min	Keep microtubes on ice	
8	5-15 min	Centrifuge at 10000 x g at 4 °C	
9		Remove the supernatant. Take care not to disrupt the pellet.	
		OPTIONAL:	
10		<ul style="list-style-type: none"> Wash the pellet with 500 µL of ice-cold Reagent C. Centrifuge at 10000 x g at 4 °C for 5 min. Remove the supernatant Air-dry pellet 	
11		Resuspend the pellet in 50 µL of the desired buffer.	
12		Check that the pH is neutral with a pH paper test. If necessary, adjust to pH 7 with Reagent D.	
13		Proceed to analyze this sample as usual.	

RELATED PRODUCTS

Product	Reference
ORAC Assay Kit	KF01004
Xanthine Oxidase Activity Assay Kit	KB03032

FOR RESEARCH USE ONLY