Place the solutions on ice to

In a microtube, **mix** your

sample with the PCA Solution

in a 3:1 ratio. For example: 90

µL of sample with 30 µL of PCA

Centrifuge at 10000 x g at 4 °C

Collect the supernatant in

If proteins are required, collect the pellet, and freeze at -80 °C

Add the **Neutralizing Solution** 

at a volume equal to 35 % of

the supernatant recovered

volume. For example: 17.5 µL of Neutralizing Solution per 50

Check that the pH is neutral

with a pH paper test. If

necessary, adjust to pH 7 with the Neutralizing Solution. Assay directly or freeze at -80 °C until the day of the assay

microtube.

assav

Keep microtubes on ice

ensure they are cold

Solution.

uL of sample

Vortex



# PCA DEPROTEINIZING ASSAY KIT

## KB03027-100/200/400 Tests

**ASSAY PROTOCOL** 

10 min

1 min

15 min

10 min

4

6

8

### **DESCRIPTION AND USE**

Proteins may interfere with some assays, affecting accuracy and sensitivity. When ultrafiltration cannot be done, other chemical removal alternatives can be considered. BQC PCA Deproteinizing Kit is recommended for the deproteinization of samples prior to assaying small molecules, glycogen, ATP, cAMP, glutathione, and antioxidants. This kit is not compatible with organic solvents, which will leave salt precipitates.

The BQC PCA Deproteinizing Kit ensures a protein removal efficiency over 99.3 % with very low sample dilution and includes a neutralizing solution to adjust the pH. The volume of sample required per test is 90 µL.

### **MATERIALS SUPPLIED**

Item	No. Tests	Quantity
PCA Solution	100	1
	200	2
	400	4
Neutralizing Solution	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.

### RELATED PRODUCTS

Product	Reference
Bradford Protein Assay Kit	KB03003
ABTS Antioxidant Capacity Assay Kit	KF01002

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Bradford Protein Assay Kit	KB03003
ABTS Antioxidant Capacity Assay Kit	KF01002

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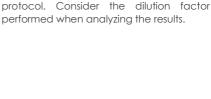
FOR RESEARCH USE ONLY











For future experiments and calculations consider that the sample is diluted throughout the deproteinizing