ACETONITRILE DEPROTEINIZING ASSAY KIT

KB03029-100/200/400 Tests

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 Acetonitrile Deproteinizing Kit** is recommended for the deproteinization of samples prior to assaying low molecular weight metabolites.

The **BQC Acetonitrile Deproteinizing Kit** ensures a protein removal efficiency over 99.3 % and do not require pH correction. **The volume of sample required per test is 500 µL.**

MATERIALS SUPPLIED

Item	No. Tests	Quantity
Acetonitrile 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
Polyphenol Quantification Assay Kit (Folin Ciocalteu Method)	KB03006
Xanthine Oxidase Activity Assay Kit	KB03032

ASSAY PROTOCOL

1	10 min	**Place the solutions on ice** to ensure they are cold
2		In a microtube, **mix** your **sample** with the **Acetonitrile Solution** in a **1:1.5 ratio**. For example: 500 µL of sample with 750 µL of Acetonitrile Solution.
3	1 min	Vortex
4	15 min	Keep microtubes on ice
5	10 min	**Centrifuge** at 10000 x g at 4 ºC
6		**Collect the supernatant** in other microtube. If proteins are required, collect the pellet, and freeze at -80 ºC
7		Assay directly or freeze at -80 ºC until the day of the assay

For future experiments and calculations consider that the sample is diluted throughout the deproteinizing assay protocol. Consider the dilution factor performed when analyzing the results.

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