ACETONITRILE DEPROTEINIZING KIT

KB03029

INTRODUCTION

Proteins may interfere with some assays, affecting accuracy and sensitivity. When ultrafiltration cannot be done, other chemical removal alternatives can be considered.

The BQCkit Acetonitrile Deproteinizing kit ensures a protein removal efficiency over 99.3 % and do not require pH correction.

COMPONENTS

Component	nº samples*	Amount
Acetonitrile	100	50 ml
	200	100 ml
	400	200 ml

*The number of samples refer to an individual required volume of 500 µl per sample.

Storage: Room temperature
Stable for: 1 year

RECOMMENDED USES

For the deproteinization of samples prior to assaying low molecular weight metabolites.

SHORT PROTOCOL

1	10 min	Place the solutions in 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 in ice
5	10 min	Centrifuge at 10 000 xg at 4ºC
6		Collect supernatant in other microtube
7		Assay directly or freeze at -80ºC until the day of the assay

DATA ANALYSIS

Take into account for future experiments and calculations that the sample is diluted in half from initial sample by this process.

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