

SULFOSALICYLIC ACID DEPROTEINIZING KIT

KB03030

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 Sulfosalicylic acid Deproteinizing kit ensures a protein removal efficiency over 98.3 % with low sample dilution.

COMPONENTS

Component	n° samples*	Amount
Sulfosalicylic acid	100	6 ml
	200	12 ml
	400	24 ml

*The number of samples refer to an individual required volume of 300 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 on ice to ensure they are cold
- 2 In a microtube mix your sample with the Sulfosalicylic acid solution in a 5:1 ratio. **For example: 300 µl of sample with 60 µl of Sulfosalicylic acid solution.**
- 3 1 min Vortex
- 4 15 min Keep microtubes on ice
- 5 10 min Centrifuge at 10 000 xg at 4°C
- 6 Collect supernatant in other microtube
- 7 Assay directly or freeze at -80°C until the day of the assay

DATA ANALYSIS

The sample is diluted by this process. To calculate the dilution factor, apply the following formula:

$$\text{. \% final sample} = \frac{\text{Initial sample volume}}{\text{Initial sample volume} + \text{Volume of Sulfosalicylic acid Solution}}$$

