

SULFOSALICYLIC ACID DEPROTEINIZING ASSAY KIT

KB03030-100/200/400 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 Sulfosalicylic Acid Deproteinizing Kit** is recommended for the deproteinization of samples prior to assaying low molecular weight metabolites.

The **BQC Sulfosalicylic Acid Deproteinizing Kit** ensures a protein removal efficiency over 98.3 % with low sample dilution. **The volume of sample required per test is 300 μ L.**

MATERIALS SUPPLIED

| Item | No. Tests | Quantity |
|------------------------------|-----------|----------|
| Sulfosalicylic Acid 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 |
|-----------------------------------|-----------|
| ORAC Assay Kit | KF01004 |
| NAD/NADH quantification Assay Kit | KB03033 |

ASSAY PROTOCOL

- 10 min** Place the solutions on ice to ensure they are cold
- In a microtube, **mix** your sample with the **Sulfosalicylic Acid Solution** in a **5:1 ratio**. For example: **300 μ L of sample with 60 μ L of Sulfosalicylic Acid Solution.**
- 1 min** Vortex
- 15 min** Keep microtubes on ice
- 10 min** **Centrifuge** at 10000 x g at 4 °C
- Collect the supernatant** in other microtube. If proteins are required, collect the pellet, and freeze at -80 °C
- Assay directly or freeze at -80 °C 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.

FOR RESEARCH USE ONLY