BIOTECH SUPPORT GROUP

SurfactAway™

SDS and Non-ionic Detergent Removal

- Removes >99% detergent
- Very selective, virtually no cross-reactivity with other proteins
- Simple, just pipette, centrifuge and discard pellet
- Economical new surface technology, not based on hydrophobic chromatography

Detergents can often interfere with protein analysis. SurfactAway™ offers a simple and fast method to remove SDS and non-ionic detergents such as Triton. Recovery of protein is quantitative. SurfactAway™ SDS is especially designed for SDS removal and contains a precipitation buffer combined with a solid-phase binding suspension. SurfactAway™ Non-ionic, is a solid-phase suspension reagent. Both are applied in a simple protocol, just add, centrifuge and recover the protein solution.

Product	Size	# of Samples & Sample Size*	Item No.	2012 Price
SurfactAway™ SDS	30 ml	120, 1 ml samples	SA645	$275
SurfactAway™ SDS	250 ml	1000, 1 ml samples	SA645	$1197
Product	**Size**	**# of Samples & Sample Size***	**Item No.**	**2012 Price**
SurfactAway™ Non-ionic	30 ml	120, 1 ml samples	SA890	$275
SurfactAway™ Non-ionic	250 ml	1000, 1 ml samples	SA890	$1197

*Based on a 1:4 SurfactAway™ to sample typical volume ratio.

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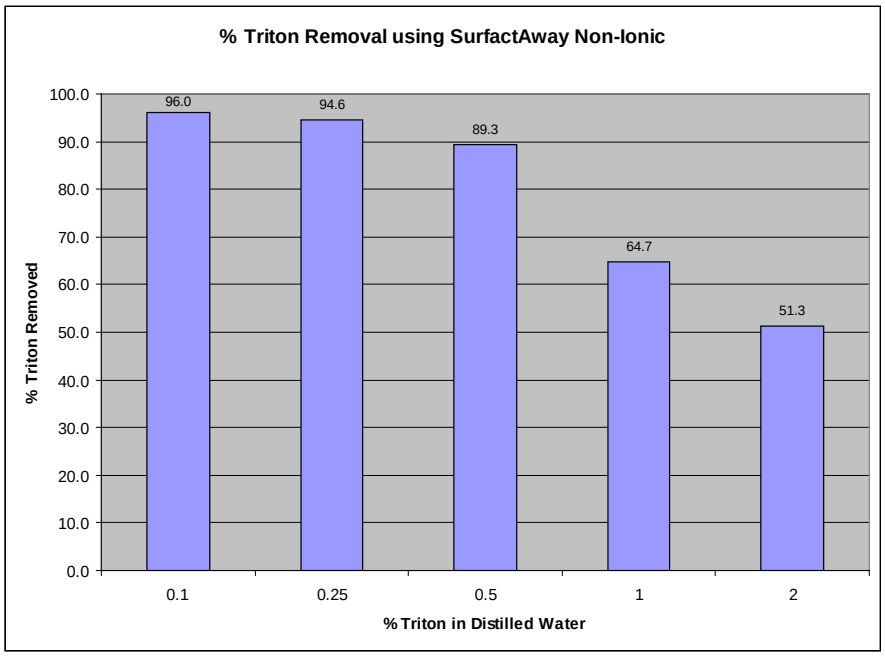

For all experiments, 1 volume of SurfactAway™ Non-Ionic was added to 2 volumes of the Triton solution – a 1:2 volume ratio. Removal efficiency is based on UV A_{280}. SurfactAway™ is designed to eliminate free detergent. Some detergent may remain

protein bound so detergent removal efficiencies will vary with each application. Using this graph as a guide only, it is recommended that several volume ratios of SurfactAway™ to sample be tried, up to a maximum of 1:1.

Storage

SurfactAway™ is supplied as an aqueous suspension of non-ionic adsorbent. Over time is will settle, and so before use, it should shaken well to resuspend the solid-phase. Though it is stable at room temperature, suggested storage is at 4°C. Do not freeze. SurfactAway™ should retain full activity when stored as directed for at least 6 months.

Protocol

Actual free detergent concentration in biological samples can vary greatly, so the ratios shown are only intended to provide general guidance in use, refer to chart above.

1. Resuspend **SurfactAway**™ by gently shaking. Excessive shaking or mixing will cause foaming. It should be completely resuspended prior to use.

2. Add 1 ml of **SurfactAway**™ to 4 ml of the sample. (1 : 4 ratio). Mix the sample by gently shaking periodically for 10 minutes.

3. Centrifuge sample at 16,000 G's for 1 minute - or - 1,000 G's for 15 minutes.

4. Decant supernatant containing macromolecules of interest and continue with purification.

5. Different sample volumes are easily scaled. Volume ratio can be adjusted up or down as required to remove the desired amount of detergent.

SurfactAway™ shows minimal cross reactivity with most serum proteins, but should not be used in excess.

References

Extraction and identification of electroimmunoprecipitated proteins from agarose gels. Journal of Immunological Methods Volume 330, Issues 1-2, 31 January 2008, Pages 24-33

Contact Us

We welcome your questions and comments regarding our products.

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