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SurfactAway™ Triton

Triton & 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™ Triton** offers a simple and fast method to remove non-ionic detergents such as Triton. Recovery of protein is quantitative. **SurfactAway™ Triton**, 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.
SurfactAway™ Non-ionic	30 ml	120, 1 ml samples	SA890-30

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

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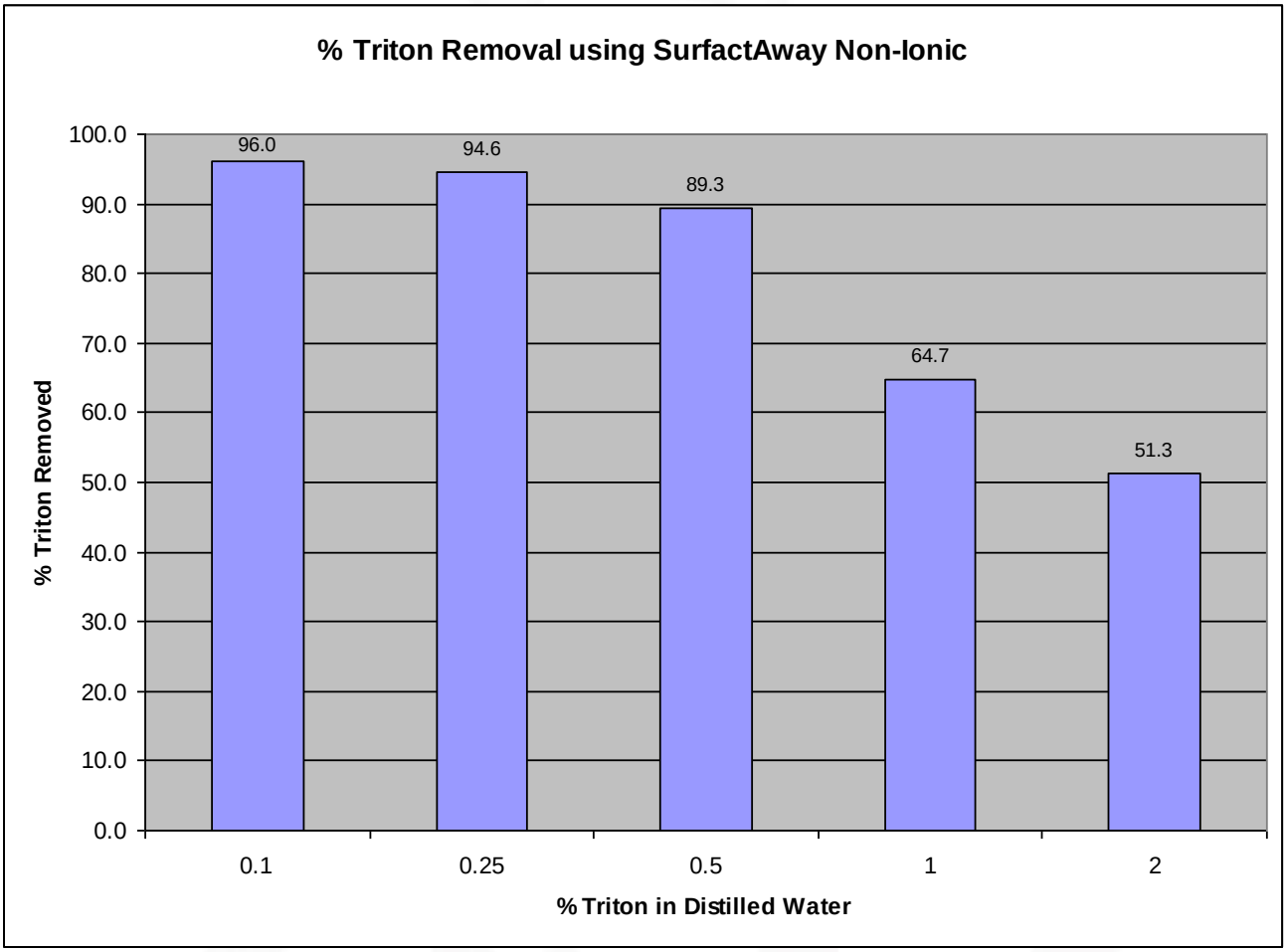

For all experiments, 1 volume of SurfactAway™ Non-Ionic was added to 2 volumes of the Triton solution – a 1:2 volume ratio. Removal efficiency is based on UV A_{280}. SurfactAway™ is designed to eliminate free detergent. Some detergent may remain protein bound so detergent removal efficiencies will vary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

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Storage

SurfactAway™ is supplied as an aqueous suspension of non-ionic adsorbent. Before use, shake 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™ Non-Ionic by gently shaking. Excessive shaking or mixing will cause foaming. It should be completely resuspended prior to use.

2. Add 1 ml of SurfactAway™ Non-Ionic 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™ Non-Ionic shows minimal cross reactivity with most serum proteins, but should not be used in excess.

References

Reyes, Levy A., et al. "Depletion of NADP (H) due to CD38 activation triggers endothelial dysfunction in the postischemic heart." *Proceedings of the National Academy of Sciences* (2015):

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

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Contact Us

We welcome your questions and comments regarding our products.

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