

Salt-N-Sugar

Biosensis is pleased to introduce you to our newly released **Phospho-Sure™** Ready-to-Dilute (RTD™) Neuronal extraction buffers - optimized for the extraction of phosphorylated proteins from neuronal and other soft tissues types.

Biosensis' new Phospho-Sure™ Ready-to-Dilute (RTD™) Neuronal extraction buffers extracts the **phosphoproteins** in a native state without the use of harsh detergents or oxidizers, and it is specially formulated to help maintain phosphoproteins and protect them from **degradation** better than traditional detergent based extraction buffers (see figure 1).

Phospho-Sure™ RTD™ is designed as both an **isolation** and **extraction** buffer and for best results the intact tissue should be bathed in ice-cold Phospho-Sure™ RTD™ buffer during excision of the tissue. Once the desired tissue piece is isolated in Phospho-Sure™ RTD™ it may be transferred to a small volume of ice-cold Phospho-Sure™ RTD™ for disruption.

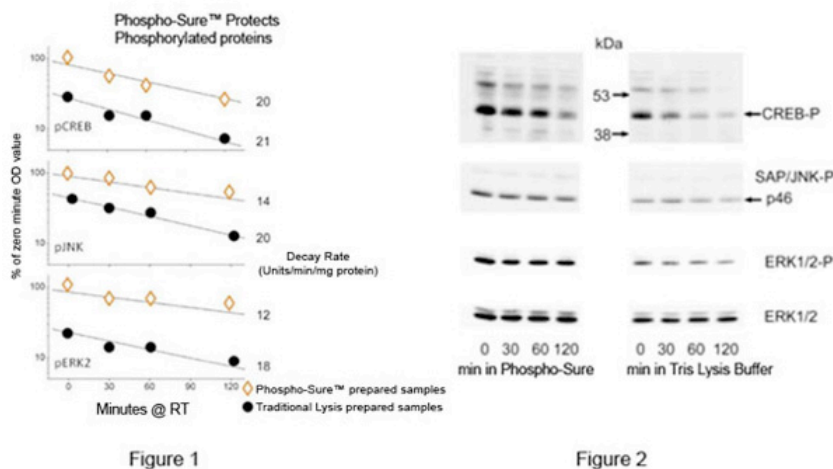


Figure 1: Shows the decrease in the decay rate in phosphorylated signals from western blots performed on samples held at room temperature for varying times in both Phospho-Sure™ RTD™ ◇ or traditional lysis buffer preparations ●.

Figure 2: Western blots of CREB-P, SAP/JNK-P, ERK1/2-P and ERK1/2 from ICc. Samples of the adult guinea pig central nucleus of the inferior colliculus (ICc) were homogenized in Phospho-Sure™ RTD™ or traditional Tris-HCL triton X-100 lysis buffer and kept on ice for up to 120 min. Aliquots of the homogenates, each containing 30µg protein, were run on SDS-PAGE. Separated proteins were electrophoretically transferred to the blotting membrane, which was incubated with anti-CREB-P antibody. The blot was stripped and treated with anti-SAP/JNK-P, ERK1/2-P or ERK1/2 antibodies.

Photo courtesy of Suneja et al., *Journal of Neuroscience Methods* 150 (2006) 238-241).

Preparation of Phospho-Sure™ RTD™ is very simple. Simply add sterile ddH₂O directly to the powdered solution in the supplied bottle, swirl briefly to dissolve the chemicals and use. The material contains no preservatives so sterile technique should always be used.

Product Description

Phospho-Sure™ RTD™

Phospho-Sure™ RTD™

Catalog Number

[B-100-PS](#)

[B-200-PS](#)

Quantity

100 mL

200 mL