

# Certificate of Analysis



## Sonicase™ Non-detergent Protein Extraction Reagent

Catalog Number: R1014E  
Lot Number: 1049-2  
Quantity: 1 x 1 ml

### Description

Sonicase Non-detergent Protein Extraction Reagent is an optimized mixture of Lyse-Aid™ Recombinant Lysozyme and Benzonase® Nuclease designed for convenient extraction of proteins from *E. coli*. The combined activities of Lyse-Aid and Benzonase simultaneously lyse the cells and degrade nucleic acids, resulting in a non-viscous lysate containing intact proteins.

When added to a suspension of frozen and thawed *E. coli* cells, Sonicase alone will extract soluble proteins in the absence of detergent, sonication, or other mechanical disruption method.

Sonicase may also be combined with the non-ionic detergent-based SembaSonic™ Protein Extraction Reagent for extremely efficient

preparation of cell lysates without the freeze-thaw step.

In either application Sonicase enables gentle and efficient extraction of proteins from milligrams to grams of cells without mechanically generated heat, shearing, or oxidative denaturation.

### Storage Buffer

Sonicase is supplied in 50% glycerol, 50 mM Tris-Cl, 20 mM NaCl and 2 mM MgCl<sub>2</sub>, pH 8.0.

### Storage Conditions

-20°C. When stored as directed the product is guaranteed to maintain stability for 6 months from the date of shipment.

### Quality Control Specifications

Test	Specifications
Functional test to confirm performance	Pass

### Certified By

K. Stephens, QC Manager

### For Research Use Only

#### Warranty

Semba Biosciences, Inc. warrants the product will meet or exceed these specifications when used (under normal conditions) in your laboratory. We will promptly replace the product free of charge if the product does not conform to these specifications. Our obligation and your sole remedy is limited to such replacement in the event the product proves to be defective. No other warranties are expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Semba Biosciences, Inc. is not liable for consequential damages.