

## Immobilized Modified Proteinase Gels



Complete fragmentation of proteins in 30 minutes  
Easy removal of digestive enzyme and buffer  
No autolytic by-products

**emp** BIOTECH'S Immobilized Proteinase Gels allow a high enzyme to protein substrate ratio (up to 1:10) yet are quickly and efficiently removed from the digestion products by a quick pelleting centrifugation step.

Highly specific, fast digestion  
Two minute centrifugation for fragment recovery  
No special preparation required.  
Use directly from the vial.

## Immobilized Modified Proteinase Gels

<b>Cat. No. EN-251</b> 1 x 200 µL Slurry 1 x 1 mL Buffer	<b>Immobilized Trypsin Gel, Porcine</b> Sequencing Grade Proteinase Cleaves on the carboxy side of Arginine, Lysine and s-aminoethyl cysteine residues Active with 1M to 8M urea
<b>Cat. No. EN-261</b> 1 x 200 µL Slurry 1 x 1 mL Buffer	<b>Immobilized Chymotrypsin Gel, Bovine</b> Sequencing Grade Proteinase Predominantly cleaves on the carboxy side of Tyrosine, Phenylalanine and Tryptophan. Slowly cleaves at the carboxy side of Leucine, Methionine, Alanine, Aspartic and Glutamic acid. Active with 1M to 8M urea
<b>Cat. No. EN-281</b> 1 x 200 µL Slurry	<b>Modified Pepsin, Porcine</b> Sequencing Grade Proteinase Predominantly cleaves on the carboxy side of aromatic and hydrophobic residues if the adjacent amino acids are not valine, alanine or glycine. Optimum activity between pH 2.0 and pH 3.8. May be used for deuterium-hydrogen exchange reactions.

Each immobilized modified proteinase gel is prepared by treating with TLCK and immobilizing onto 0.2 µm silica gel beads.

A proprietary covalent chemical immobilization procedure allows an extremely high retention of enzyme activity.

The gel is packaged suspended in deionized water at 50% w/w.

For more information, call us at **+49 30 9489 2201** or e-mail at [info@empbiotech.com](mailto:info@empbiotech.com)