

Rapid protein extraction Without RIPAbuffer

SD-001/SN-002 Total Protein Extraction Kit for Animal Cultured Cells/Tissues (50 preps)

Advanced tool for rapid protein extraction without altered protein profile. Kit provides both denaturing and native cell lysis buffers, so users can select according to applications. Total proteins can be extracted from cultured cells/tissues in 1-8 minutes with high yield (2-8 mg/ml).

SN-006 Detergent-Free Total Protein Extraction Kit for Animal Cells/Tissues (50 preps)

Quickly extracts total proteins from cultured cells (insect/mammalian/other cultured cells) and animal tissues. The protein extraction buffers do not contain any detergent or EDTA. Less than 5 minutes, high yield (1-5 mg/ml).

AT-022 Total Protein Extraction Kit for Adipose Tissues/Cultured Adipocytes (20 preps)

Overcomes challenges related to high lipid and low protein content thanks to a porous filter with unique surface property. The water-oil emulsion derived from the adipose tissue homogenate is rapidly and effectively separated. Unbiased, high concentration of proteins (2-3 mg/ml) compared to other methods.

Total protein extraction kits for specific tissue types

Highly efficient method for extracting proteins from the tissue in question, with a simple, fast single-tube protocol and optimized buffers. Combines mechanical extraction and chemical lysis of cells in tissues. The cell lysis buffers are much stronger than RIPA buffer, and researchers can choose either a denaturing or native cell lysis buffer, for specific downstream applications. The protocol can be completed in less than 10 minutes.

SA-03-BV	Total Protein Extraction Kit for Blood Vessels (50 preps)	Yields ca. 1-3 mg/ml
SA-02-BT	Total Protein Extraction Kit for Bone Tissue (50 preps)	Yields ca. 0.5-2 mg/ml depending upon type of bones
SA-05-IM	Total Protein Extraction Kit for Intestines and Mesentery (50 preps)	Yields ca. 1-3 mg/ml
SA-06-MS	Total Protein Extraction Kit for Muscles (50 preps)	Yields ca. 2-10 mg/ml
SA-01-SK	Total Protein Extraction Kit for Skin Tissue (50 preps)	Yields ca. 1-5 mg/ml
SA-04-TD	Total Protein Extraction Kit for Tendons (50 preps)	Yields ca. 1-3 mg/ml

- HD-021 Protein Extraction Kit for Hair and Nails (20 preps)**
Unlike traditional extraction buffers for hair, nails or horn, which contain a high concentration of strong denaturants, this kit extracts proteins from keratinized animal tissues without using strong denaturants. The extracted protein can be directly loaded onto SDS-PAGE without concentration. The extraction buffer of this kit contains 0.5% SDS and other chemicals. Extracted protein concentration is 1-2 mg/ml.
- FE-025 Protein Extraction Kit for Fixed and Embedded Tissues (20 preps)**
Simple and rapid way to extract protein from FFPE tissue without organic solvent deparaffinization. Procedure can be completed in less than one hour with a protein yield of 2-3 mg/ml.
- SA-07-IS Total Protein Extraction Kit for Insects (50 preps)**
Highly efficient method for total protein extraction from insects using a combination of mechanical extraction and chemical lysis. Simple, fast single-tube protocol and optimized buffers for insect tissues, with the option to choose either a denaturing or native cell lysis buffer. Less than 10 minutes, protein yield ca. 1-3 mg/ml.
- MS-026 Total Protein Extraction Kit for Mass Spectrometry (50 preps)**
Extracts total protein from animal cultured cells/tissues efficiently and without bias. Extracted proteins are compatible with trypsin digestion, iTRAQ labeling and biotin-labeling. Extraction volume: 20 µl to 500 µl.
- SB-004 Bacterial Total Protein Extraction Kit (50 preps)**
Quickly extracts denatured proteins from bacteria. Contains sufficient material for the extraction of total proteins from a 100 ml E. coli culture.
- YT-015 Total Protein Extraction Kit for Microbes with Thick Cell Walls (50 preps)**
Instrument-free, fast and gentle way for extracting proteins without bias from microbes with thick and strong cell walls, e.g. yeast, filamentous fungus, gram-positive and -negative bacteria, insect eggs, microalgae etc. Contains optimized denaturing and native protein extraction buffers to choose from. Works well for both log-phase and stationary-phase microbes. Less than 10 minutes, protein yield ca. 2-5 mg/ml.
- YD-016 Detergent-Free Protein Extraction Kit for Microbes with Thick Cell Walls (50 preps)**
Detergent-free, rapid and gentle way for extracting proteins from microbes with thick and strong cell walls (yeast, filamentous fungus, gram-positive and -negative bacteria, insect eggs, microalgae and more). Contains optimized detergent-free and EDTA-free protein extraction buffers. For both log-phase and stationary-phase microbes. Less than 10 minutes, yield ca. 2-4 mg/ml with unbiased protein representation.
- SD-008/SN-009 Total Protein Extraction Kit for Plant Tissues (50 preps)**
Rapidly extract denatured or native proteins from plant tissues (leaves, seeds, soft stems, roots, etc.). This kit provides both optimized denaturing and native cell lysis buffers for users to test and select the best one for a specific application. Total plant-soluble proteins can be extracted from 20-200 mg plant tissue in less than 8 minutes with high protein yield (2-8 mg/ml). Good starting material for protein analysis and small-scale protein purification in column chromatography.
- SN-010 Detergent-Free Plant Protein Extraction Kit (50 preps)**
Rapidly extract total proteins from plant tissues with a protein extraction buffer that does not contain any detergent or organic solvent. Extraction volume can range from 50 µl to 500 µl. Less than 8 minutes, with high yield (1-6 mg/ml).