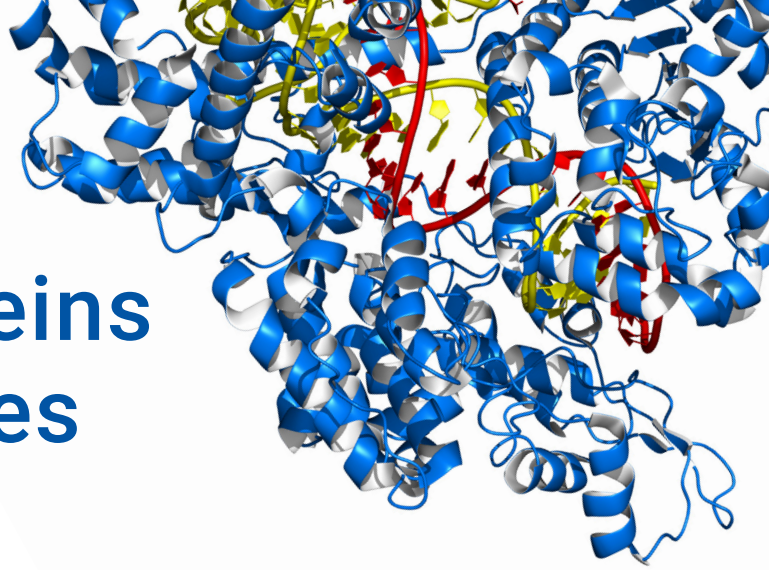

Preparing High-Quality Proteins from FFPE Samples Just Got Easier

Designed specifically for high-quality protein sample preparation from formalin-fixed, paraffin-embedded (FFPE) samples, the Covaris truPREP® Protein FFPE Kit offers three modular options to facilitate easy implementation. This innovative solution provides the flexibility to employ either a comprehensive Covaris workflow or seamlessly integrate with your existing purification and/or digestion workflow. Streamline your sample preparation with easy loading of a 10 µm scroll into individually capped tubes for easy processing.

Achieve robust, reliable downstream results with the **truPREP Protein FFPE Kit**

Utilizing the power of focused ultrasonication with Adaptive Focused Acoustics® (AFA®) Technology, this workflow ensures:

- Complete tissue rehydration and emulsification of paraffin from FFPE samples (with lysis buffer).
- Consistent peptide yields (CV <20%) with no detergent carryover contamination.
- No degradation from toxic organic solvents or harsh chemicals.

Deparaffinization, Tissue Homogenization, & Decrosslinking > **Reduction/Alkylation, Purification** > **Digestion**

Covaris®
a PerkinElmer Company

Learn more about truPREP kits for protein sample preparation at:
covaris.com/truprep-protein

Modular Options and Components

Option 1 (PN 520359) Isolation

A proprietary non-toxic deparaffinization method using AFA on the R230 Focused-ultrasonicator effectively homogenizes tissues and extracts proteins. Customers who choose this option can continue with their established purification workflow.

Option 2 (PN 520363) Isolation & Purification

Deparaffinization and extraction are combined with an optimized Protein Aggregation Capture (PAC) workflow for efficient protein purification. Customers who choose this option can utilize their established digestion workflow.

Option 3 (PN 520363 & 520364) Isolation, Purification, and Digestion

This option includes the all three parts of the Covaris workflow: isolation, purification, and digestion. Promega Trypsin Gold is included for an overnight digestion, resulting in a purified peptide hydrolysate for further downstream analysis.

Consumable/Reagent	Option 1 (PN 520359)	Option 2 (PN 520363)	Option 3 (PN 520363 & 520364)
prepTUBE TPX with Bead* (qty. 18)	✓	✓	✓
FFPE Protein Rehydration Buffer (1 mL | RT)	✓	✓	✓
Deparaffinization Solution (8 mL | RT)	✓	✓	✓
Tissue Lysis Buffer (2 mL | RT)	✓	✓	✓
Collection Tube (qty. 16 | RT)		✓	✓
Reducing Agent** (5 mg | -20 °C)		✓	✓
Alkylation Reagent (qty. 2 | RT)		✓	✓
Magnetic Bead Mixture (100 µL | 2–8 °C)		✓	✓
WB5 Diluent (2.4 mL | RT)		✓	✓
Ethanol -Wash Buffer Diluent (1.6 mL | RT)		✓	✓
Promega Trypsin Gold*** (1 Vial | -20 °C)			✓

RT - Room Temperature. *Two additional prepTUBE TPX with bead have been included to be utilized during the Heat Block calibration step. These are not to be run with the assay after the calibration. **Item can be stored at room temperature (RT) prior to reconstitution. Store at -20°C after reconstitution. ***Item is shipped at ambient temperatures but should be stored at -20 °C upon receipt of the product. Once reconstituted, the item should be used at once or, if only processing 8 samples at a time, the remaining material can be stored reconstituted at -20 °C.

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