

Sample clean-up: Detergent (SDS)

Sample type: Cell, Tissue, blood

Method: Filter aided sample preparation (FASP)

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K-Bio 신약개발지원센터 진중화

1. Samples are prepared in 4% sodium dodecyl sulfate (SDS) and diluted in 8 M urea to dissociate SDS from the proteins.
2. Filter units are passivated overnight with 5% Tween-20, followed by thorough washing in MS-grade water.
3. Diluted samples are applied to the filter units for buffer exchanges, eliminating contaminants.
4. Proteins are alkylated with urea present, followed by successive buffer exchanges.
5. Proteins are digested with surfactants present, then liberated with centrifugation.
6. Extraction with organic solvent leaves behind pure peptides for LC-MS analysis.

