



Protein Precipitation Kit

<u>Code</u>	<u>Description</u>	<u>Size</u>
1B1301-KIT	Protein Precipitation Kit Includes: 25 mL of Protein Precipitation Kit, Solution A 250 mL of Protein Precipitation Kit, Solution B 125 mL of Protein Precipitation Kit, Wash Buffer	KIT
1B1301-SAMPLE	Protein Precipitation Kit Includes: 5 mL of Protein Precipitation Kit, Solution A 50 mL of Protein Precipitation Kit, Solution B 25 mL of Protein Precipitation Kit, Wash Buffer	KIT

General Information:

AMRESO's Protein Precipitation Kit utilizes a simple trichloroacetic acid (TCA) based method to precipitate proteins in complex mixtures. Only protein in the sample is pelleted, while interfering salts and surfactants remain in the supernatant. A gentle acetone wash removes TCA and co-precipitants allowing the end-user to recover the protein in a small volume of buffer.

Storage/Stability:

Store at Room Temperature

Application Disclaimer

For research use only.
Not for therapeutic or diagnostic use.



Product Information

Procedure

1. Add 105 mL (KIT) or 21 mL (SAMPLE) of Acetone to the Protein Precipitation Kit, Wash Buffer and mix.
2. Add 1 sample volume of Protein Precipitation Kit, Solution A to the protein sample.
3. Vortex the protein sample.
4. Add 10 sample volumes of Protein Precipitation Kit, Solution B to the protein sample.
5. Vortex the protein sample.
6. Pellet the Protein at $\geq 14,000$ xg for 5 minutes at 4°C.
7. Draw off and discard supernatant as not to disturb the pellet.
*Note: For maximal protein recovery, precipitation can be stopped here. However, TCA will remain with the protein and may affect downstream applications.
8. Add 5 sample volumes of Protein Precipitation Kit, Wash Buffer to the pellet
9. Vortex to wash the pellet.
*Note: incomplete washing of the pellet will result in residual TCA remaining in the protein sample which may affect downstream applications.
10. Pellet the Protein at $\geq 14,000$ xg for 5 minutes at 4°C.
11. Draw off and discard supernatant as not to disturb the pellet.
12. Resuspend the protein pellet in a buffer suitable for downstream applications.

Related Products

Code	Product
N962-500RXN N962-100RXN	BCS Assay Kit
M318-KIT-500ML M318-KIT-100ML M318-TRIAL-KIT	Fluorescent Sprint Next Gel® 12.5%
M317-KIT-500ML M317-KIT-100ML M317-TRIAL-KIT	Fluorescent Sprint Next Gel® 10%
0254-500ML	ACRYL/BIS 37.5:1 (30:0.8)
N790-KIT N791-KIT N792-KIT N793-KIT	Rapid Western Blotting Kit

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Frequently Asked Questions

Questions	Answers
Why is my protein recovery very low?	<ol style="list-style-type: none"> 1. Protein pellet was disturbed when removing supernatant 2. Protein was not pelleted long enough
Why does my sample turn yellow in SDS-PAGE buffer?	Residual TCA remains in the protein sample. To return the buffer to blue, try adding 1M TRIS, pH 8.0.
Does the Protein Precipitation Kit remove nucleic acids?	No. Nucleic acids may be precipitated along with proteins if the nucleic acid is complexed with the protein



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