



A&A BIOTECHNOLOGY
innovating life science

Manual

Protein Precipitation Kit

Kit for protein concentration in denaturing conditions.

catalog #	size
1013-50	50 isolations
1013-250	250 isolations

For research use only.

Guarantee

A&A Biotechnology provides a guarantee on this product.

The company does not guarantee the correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components



Contents

component	50 isolations	250 isolations	storage
Minicolumns for protein precipitation	50 pcs	250 pcs	15-25 °C
1x Laemmli buffer	1.1 ml	5 x 1.1 ml	-20 °C

Additional equipment and reagents

Necessary

- Solution containing proteins
- 1.5 ml sterile Eppendorf tubes
- Acetone
- Microcentrifuge

Protein precipitation protocol

1. Solution containing proteins transfer to 1.5 ml Eppendorf tubes (not included).
Maximum volume of protein sample should be up to 400 μ l.
2. Add **2 volumes of acetone** (not included). Mix by inverting the tube.
3. Incubate for **5 min at room temp.**
4. Apply the sample onto the minicolumn (assembled with the tubes).
Maximum volume of precipitation mixture loaded onto the minicolumn is 600 μ l.
If the total volume of precipitation mixture exceeds 600 μ l, load the remaining sample (each portion up to 600 μ l) onto the minicolumn and spin as previously after each loading step.
5. Centrifuge for **3 min at 3 000 RPM.**
6. Discard the filtrate and place the minicolumn into the same tube.
7. Centrifuge for **1 min at 12 000 RPM.**
8. Transfer the minicolumn to **new 1,5 ml tubes (not included).**
Apply **20 μ l of 1x Laemmli buffer** onto the center of the resin.
9. Incubate for **3 min at room temp.** Centrifuge for **1 min at 12 000 RPM.**
10. Remove the minicolumn, close the tube.

Safety information



DANGER

1x Laemmli buffer

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ eye protection/ face protection.
 P301+P312 If swallowed: Call a Poison Centre/doctor if you feel unwell.
 P302+P352 If on skin: Wash with plenty of water.
 P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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