

Manual

Xpure™ FFPE micro

Kit for genomic DNA purification from tissue preserved in paraffin. Fast deparaffinization without xylene and hexane. Isolation columns packed individually in sterile conditions.

catalog #	size
091-50	50 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

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Contents

component	091-50	storage
Microcolumns with tubes (packaged in blisters)	50 pcs	room temp.
1.5 ml tubes	50 pcs	room temp.
2 ml tubes	50 pcs	room temp.
M agarose melting solution	12 ml	room temp.
A lysis solution	12 ml	room temp.
B binding solution	22 ml	room temp.
C wash solution	44 ml	room temp.
Tris buffer (10 mM, pH 8.5)	3 ml	room temp.
Proteinase K	1.1 ml	4-8 °C

Additional equipment and reagents

Necessary

- 1.5 ml, 2 ml sterile Eppendorf tubes
- Incubator or thermoblock set to 50 °C, 70 °C
- Microcentrifuge

Isolation protocol

Set the thermoblock temperature to 70 °C and place in it the Tris elution buffer (it will be used in point 18. and 21. of the isolation protocol).

1. Transfer **FFPE samples (max 10 mg)** to Eppendorf tube (not included).
2. Add **200 µl** of **M** agarose melting solution.
3. Mix the sample by inverting the tube. Incubate for **5 min** at **70 °C**
4. Add **200 µl** of **A** lysis solution and **20 µl** of **proteinase K**.
5. Mix the sample by inverting the tube. Incubate for **1 h** at **50 °C**.
6. Centrifuge for **2 min** at **12 000-14 000 RPM**.
7. Pierce the pipette tip the layer of paraffin and transfer the lower layer (**~200 µl**) to **new** 1.5 ml tubes (not included).
8. Add **400 µl** of **B** binding solution.
9. Mix the sample and apply onto the microcolumns. Close the tubes with the caps.
10. Centrifuge for **1 min** at **12 000-14 000 RPM**.
11. Discard supernatants. Transfer the microcolumns to **new** 2 ml tubes (included).
12. Add **400 µl** of **C** wash solution. Close the tubes with the caps.
13. Centrifuge for **1 min** at **12 000-14 000 RPM**.
14. Discard supernatants. Place the microcolumns into **the same** 2 ml tubes.
15. Add **400 µl** of **C** wash solution. Close the tubes with the caps.
16. Centrifuge for **2 min** at **12 000-14 000 RPM**.

17. Transfer the microcolumns to **new** 1.5 ml elution tubes (included).
18. Add **25 µl** of **Tris** elution buffer heated to 70 °C directly onto the microcolumn resin. Close the tubes with the caps.
19. Keep for **2 min** at **room temp.**
20. Centrifuge for **1 min** at **12 000-14 000 RPM**.
21. Add **25 µl** of **Tris** elution buffer heated to 70 °C directly onto the microcolumn resin. Close the tubes with the caps.
22. Centrifuge for **1 min** at **12 000-14 000 RPM**.
23. Remove the microcolumns. Close the tubes with the caps.
24. Store the tube with purified DNA at **-20 °C** until later use.

Elution tubes have a long, elastic cap connector. Start closing the tube by carefully pressing the cap on the connector side. An opening „click” sound confirms proper closure. Different ways of closing may cause opening of the tube during storage.

Safety information



DANGER

Proteinase K

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

P261 Avoid breathing dust.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms call a Poison Center or doctor/physician.



WARNING

A lysis solution

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



DANGER

B binding solution

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.

P261 Avoid breathing vapors.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



DANGER

C wash solution

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.

P261 Avoid breathing vapors.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



A&A BIOTECHNOLOGY
innovating life science

A&A Biotechnology, ul. Strzelca 40, 80-299 Gdańsk, Poland
phone +48 883 323 761, +48 600 776 268
info@aabiotech.com, www.aabiotech.com

