



EURx GeneMATRIX AGAROSE OUT DNA PURIFICATION KIT



QUICK MANUAL

KIT VERSION 6.1, JANUARY 2008. SEE ALSO DETAILED VERSION OF THIS PROTOCOL.

A

HOMOGENIZATION AND LYSIS

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1. Preparing the Purification

- Apply 40 µl Activation Buffer A to spin-column membrane, keep column at room temperature until usage, do not spin.
- Optional: Preheat Elution Buffer to 80°C (see section D, Elution).



2

2. Solubilization

- Cut out DNA from agarose gel (max. weight 250 mg).
- Place the agarose slice(s) into a plastic reaction tube.
- Add 600 µl of orange-coloured Orange-A buffer. Mix by three-fold inverting.
- Incubate at 55°C for approx. 5 - 10 min, mix all 2 min by inverting. mix every 1-2 min by two-fold inverting until complete solubilization (until solution appears in a uniform orange color).

B

DNA BINDING STEP

3

3. DNA Binding

- Transfer the dissolved agarose solution into a spin-column / receiver tube assembly.
- Centrifuge for 1 min at 11 000 x g (approx. 12 000 rpm), until complete passage of liquid through the column matrix.



C

DNA WASHING STEPS

4

4. First Washing Step

- Discard flow-through and place back spin-column.
- Add 500 µl of buffer Wash-A1 to the spin-column.
- Centrifuge for 1 min at 11 000 x g (approx. 12 000 rpm).



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5. Second Washing Step

- Discard flow-through and place back spin-column.
- Add 650 µl of Wash-AX2 buffer to the spin-column.
- Centrifuge for 1 min at 11 000 x g (approx. 12 000 rpm).

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6. Removal of Wash Buffer Traces

- Discard flow-through and place back spin-column.
- Centrifuge for 2 min at 11 000 x g (approx. 12 000 rpm) to dryness.

D

DNA ELUTION STEP

7

7. DNA Elution

- Place spin-column in new collection tube (1.5 - 2 ml).
- Add 50 - 80 µl of buffer Elution-A (optionally heated to 80°C).
- Incubate for 2 min at room temperature.
- Centrifuge for 1 min at 11 000 x g (approx. 12 000 rpm).
- Discard spin-column, cap the collection tube.
- DNA is ready for analysis / manipulation.
- Store DNA at -20°C (recommended) or at 4°C (short term only).



THIS PROTOCOL IS AVAILABLE ONLINE

WWW.ROBOKLON.COM