

BioEcho Cap Puncher

for fast and convenient handling of EchoLUTION spin columns

Kit content

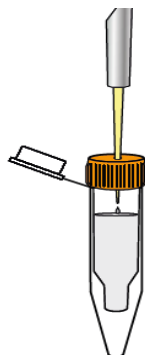
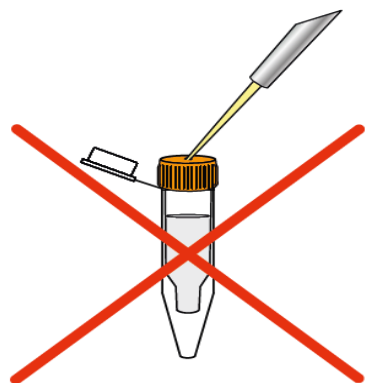
BioEcho Cap Puncher

Product number:

050-001-001

Use

The BioEcho Cap Puncher increases processing speed by punching a hole into the cap of the spin columns through which the sample is pipetted. No more opening and closing of column screw caps are needed. This simplifies the overall procedure and speeds up sample processing time. Scan the QR code for a video demonstrating the use of the Cap Puncher.



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Column preparation

1. **Vortex the EchoLUTION Spin Column briefly**, place into a 2 ml reaction tube and both together into a rack.

Use the cap puncher:

2. **Place the BioEcho Cap Puncher on the cap and push until the point where the protective ring completely covers the cap:** The Cap Puncher pierces the cap (scan QR code for a video demonstrating the use of the Cap Puncher).
3. **Lift the column together with the Cap Puncher** out of the collection tube.
4. **Snap off bottom closure of the column and detach the Cap Puncher by turning.** Place back the spin column into the 2 ml reaction tube.
5. **Centrifuge spin column as indicated in the EchoLUTION or EchoCLEAN protocol.** Discard the 2 ml reaction tube containing the flow-through.
6. **Place the prepared spin column into a new 1.5 ml reaction tube** for elution of the sample and both together in a rack.

Sample Loading & Purification

7. **Transfer 80 – 110 µl sample** containing the DNA to the prepared column from step 7 as described below:

Use the cap puncher:

8. **Completely insert pipet tip vertically through the hole in the column cap** and pipet the sample **slowly (~5 sec)** into the column (see figure or scan QR code to watch how to load samples through the punched lid). **Note:** The sample drops are absorbed completely by the top layer of the resin bed. To fast pipetting causes the DNA sample to pass the resin material on the side of the column without purification.
9. **Centrifuge spin column as indicated in the EchoLUTION or EchoCLEAN protocol.** The purified DNA (80–100 µl; 10 mM Tris-Cl, pH 7.8) flows through the column into the 1.5 ml elution tube. Discard the spin column.
10. **Continue with sample storage as indicated in the protocol.**

Important safety hints for new users

- The BioEcho Cap Puncher is intended for use with EchoLUTION or EchoCLEAN spin columns only.
- The tip is extremely sharp and should be used with appropriate caution.
- Never put your finger into the opening of the protective ring around the tip.
- Not appropriate for children under the age of fourteen.
- The BioEcho Cap Puncher can be disinfected with standard disinfectants.
- Discoloration of the BioEcho Cap Puncher does not affect its use.
- Do not autoclave.
- Do not expose the BioEcho Cap Puncher to flames or to temperatures over 60°C or below 10°C.



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