QUICK REFERENCE CARD

ChargeSwitch®-Pro PCR Clean-up Kit

Catalog nos. CS32050 and CS32250

Part no. 25-0983 Version A, 15 August 2007

Centrifugation Protocol

Follow the steps below to purify PCR fragments **using a microcentrifuge**. All steps are performed at room temperature. For more detailed protocols and additional information, refer to the kit manual.

Note: After PCR cycling, cool the reaction to room temperature before purification.

1. Binding the DNA

- ❑ 1. To the PCR reaction, add an equal volume of ChargeSwitch®-Pro PCR Purification Buffer (*e.g.*, for a 50-µl PCR reaction, add 50 µl of buffer). Briefly vortex to mix.
- ❑ 2. Transfer the mixture onto the ChargeSwitch®-Pro PCR Clean-up Column inserted in a Collection Tube.
- ❑ 3. Centrifuge the column/tube at 10,000 × *g* for 30–60 seconds.
- ❑ 4. Proceed to **Washing the Column**. (**Note:** If the volume of your PCR reaction was >75 µl, empty Collection Tube before proceeding to avoid overflow.)

2. Washing the Column

- ❑ 1. Add 500 µl of ChargeSwitch®-Pro PCR Wash Buffer to the column.
- ❑ 2. Centrifuge the column/tube at 10,000 × *g* for 1 minute.
- ❑ 3. Discard the flow-through and the Collection Tube.
- ❑ 4. Insert the column into a new, sterile Elution Tube (provided in the kit). Then proceed to **Eluting the DNA**.

3. Eluting the DNA

- ❑ 1. Add 50 µl of ChargeSwitch®-Pro PCR Elution Buffer onto the column, and incubate at room temperature for 1 minute.
- ❑ 2. Centrifuge the column/tube at 10,000 × *g* for 30–60 seconds. **The flow-through contains the purified DNA.**
- ❑ 3. Store the purified DNA at 4°C for immediate use or at -20°C for long-term storage.

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Vacuum Protocol

Follow the steps below to purify PCR fragments **using a vacuum manifold**. All steps are performed at room temperature. For more detailed protocols and additional information, refer to the kit manual.

Note: After PCR cycling, cool the reaction to room temperature before purification.

1. Binding the DNA

- ❑ 1. To the PCR reaction, add an equal volume of ChargeSwitch®-Pro PCR Purification Buffer (*e.g.*, for a 50-µl PCR reaction, add 50 µl of buffer). Briefly vortex to mix.
- ❑ 2. Remove the ChargeSwitch®-Pro PCR Clean-up Column from the Collection Tube and insert it into the luer extension of a vacuum manifold.
- ❑ 3. Transfer the mixture from Step 1 onto the column.
- ❑ 4. Apply vacuum pressure until the liquid has passed through the column, then proceed to **Washing the Column**.

2. Washing the Column

- ❑ 1. Add 500 µl of ChargeSwitch®-Pro PCR Wash Buffer to the column.
- ❑ 2. Apply vacuum pressure until the liquid has passed through the column.
- ❑ 3. Remove the column from the vacuum manifold and re-insert it into the Collection Tube.
- ❑ 4. Centrifuge the column/tube at 10,000 × *g* for 1 minute.
- ❑ 5. Discard the flow-through *and* the Collection Tube.
- ❑ 6. Insert the column into a new, sterile Elution Tube (provided in the kit) and proceed to **Eluting the DNA**.

3. Eluting the DNA

- ❑ 1. Add 50 µl of ChargeSwitch®-Pro PCR Elution Buffer onto the column, and incubate at room temperature for 1 minute.
- ❑ 2. Centrifuge the column/tube at 10,000 × *g* for 30–60 seconds. **The flow-through contains the purified DNA.**
- ❑ 3. Store the purified DNA at 4°C for immediate use or at -20°C for long-term storage.

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