# Aurum<sup>™</sup> Ion Exchange Mini Kits and Columns

# **Protocol Overview**

For complete protocol, see instruction manual.

## **Column Setup**

- 1. Place AEX or CEX column in a test tube for 5 min to allow resin to settle.
- Remove cap and break tip from column. Return column to test tube to start gravity flow.
- Wash column with 1 ml AEX or CEX binding buffer. Repeat.
- Place column in empty 2.0 ml collection tube and centrifuge for 10 sec at 1,000 x g to dry resin bed. Discard collection tube.

#### **Sample Binding**

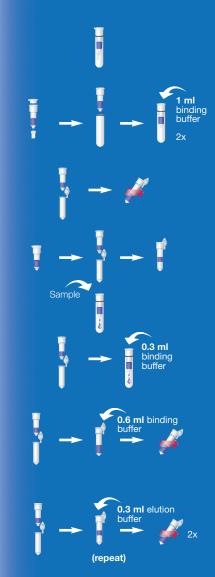
- 5. Place column in a clean 2.0 ml collection tube labeled "unbound".
- Load sample onto the column and allow it to filter through the column.
- Place column in another clean 2.0 ml collection tube and wash column with 0.3 ml AEX or CEX binding buffer. Unbound fractions can be discarded or combined for further analysis.
- Place column in a clean 2.0 ml collection tube. Wash with additional 0.6 ml AEX or CEX binding buffer by centrifuging for 20 sec at 1,000 x g. Discard collection tube.

### **Sample Collection**

- Place column in a clean 2.0 ml collection tube labeled "bound #1".
- Add 0.3 ml AEX or CEX elution buffer to column and centrifuge for 10 sec at 1,000 x g. Repeat.
- 11. Repeat steps 9 and 10 with a new 2.0 ml collection tube labeled "bound #2".







Aurum Ion Exchange Mini Kits and Columns Catalog #732-6705 (AEX) and 732-6702 (CEX)

For more information, call Technical Support at 1-800-4BIORAD (1-800-424-6723). Visit us on the Web at **www.bio-rad.com**