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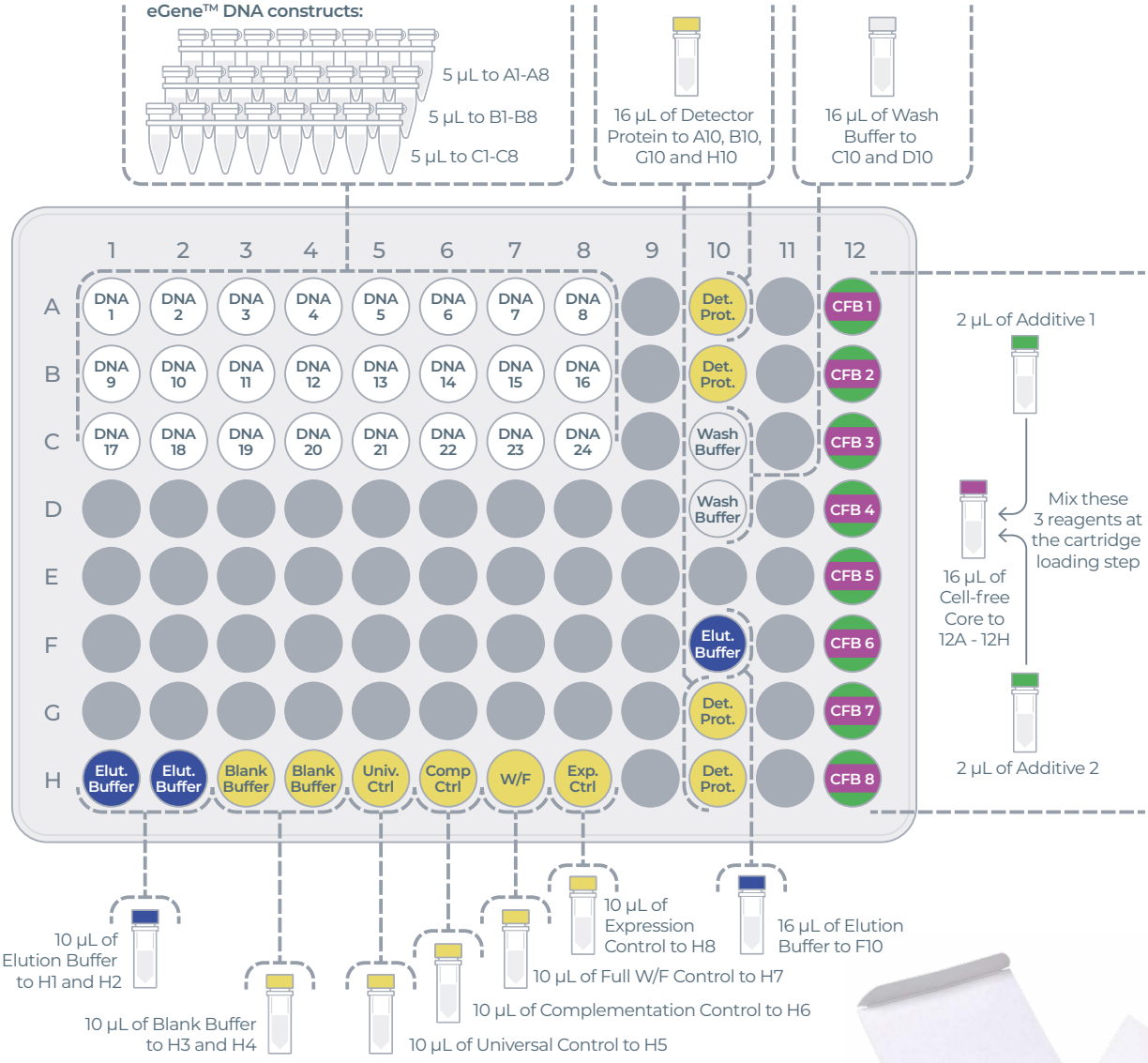
Soluble Protein Workflow - Transfer Plate and Beads Preparation Quick Start

This guide is for setting up and preparing the transfer plate which will be used to load reagents into the cartridge before you start your run. The guide is for use when working with soluble proteins.



Transfer plate

Important note: Keep the transfer plate and the screen reagents from the Cartridge Reagent Kit **NC3010-1** on ice.

Strep Purification Beads

Important note: Strep Purification Beads are provided in 200 µL aliquots of 5% v/v suspension and must be stored at +4°C.

1. Take the vial of Strep Beads from the fridge and give it a quick spin for 2 seconds in a microcentrifuge to pellet the beads.
2. Resuspend the beads by gently pipetting up and down 10 times with a p200 pipette set on 90 µL.
3. Transfer 90µL of the resuspended beads into a 1.5 mL tube.
4. Place the tube with Strep Beads on a magnetic rack and capture for 1 min.
5. Remove all the supernatant with a p200 pipette and discard the liquid.
6. Remove the tube with Strep Beads from the magnetic rack. Resuspend the beads in 100 µL Wash Buffer by slowly pipetting up and down 10 times.
7. Repeat steps 4 to 6 twice more for a total of three washes.
8. After the third wash, spin down the tube and place it back on a magnetic rack and capture for 1 min.
9. Remove all the supernatant with a p200 pipette and discard the liquid.
10. Spin down the tube, place it back on a magnetic rack and remove the residual buffer with a p10 pipette.
11. With a p20 pipette, resuspend the beads in 10.5 µL Wash Buffer by gently pipetting up and down 10 times to create a 15 µL 30% Strep Beads working dilution.
12. Keep the beads in the tube on the bench, NOT ON ICE. **The beads should not be loaded onto the transfer plate.**

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