

# Proseek<sup>®</sup> Multiplex

## SAMPLE DILUTION GUIDELINES (1:10)

For Proseek Multiplex with product number 94340, a sample dilution step is required prior to running the assay protocol. Please read the entire Proseek Multiplex manual before starting.

### 1. BEFORE STARTING

- ▶ Decide how many samples you will include in the experiment and the number of replicates.
- ▶ Use the 96-well plate layout below and select a location for each sample. Make sure the samples are distributed randomly. **Note:** The negative control and interplate control samples should not be diluted.
- ▶ Sample dilutions should be made in a 96-well plate (0.2 mL per well) using a multi-channel pipette. **Note:** Pipette from the upper most part of the samples to prevent liquid from sticking to the outside of the pipette tip.
- ▶ Prepare the dilutions freshly, as close to the start time of the assay as possible.

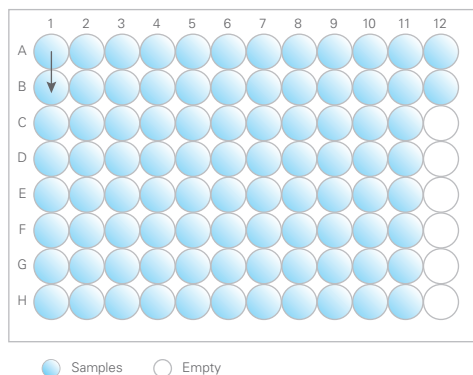


Fig 1. Dilution Plate layout.

### 2. SAMPLE DILUTION

- ▶ Thaw the Sample Diluent (Art. No 84032), vortex and empty the bottle into a multi-channel pipette reservoir (minimum volume, 15 mL).
- ▶ Transfer 9  $\mu$ L of the Sample Diluent into each well of columns 1-11 and positions A-B in column 12 by using reverse pipetting into a 96-well PCR plate. **Note:** Pipette the Sample Diluent carefully to avoid foaming. Do not change pipette tips and use the same multi-channel pipette throughout the entire dilution series. Name this plate Dilution Plate.

- ▶ Carefully transfer 1  $\mu$ L of your samples according to your plate layout, see Figure 1.  
**Note:** Use the same multi-channel pipette throughout the entire plate, also for samples A-B of column 12. Change tips between each pipetting step.
- ▶ Seal the plate with adhesive plastic film.
- ▶ Vortex the plate thoroughly and ensure that all wells are mixed. Spin down the contents at 400 x g for 1 min at room temperature.
- ▶ Proceed with the protocol according to the Proseek Multiplex<sup>96x96</sup> User Manual, see section 5.6 for instructions.

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