

7.003 Spring 2022
Day 23 In-Lab Questions

- 1) Your work from Days 19 – 23 has successfully isolated several different binder proteins that bind well to the SARS-CoV-2 target protein. To make a flow-strip diagnostic test for detecting your SARS-CoV-2 target protein in a patient sample, you will need two different binders (an immobilized “capture” binder and a gold-labeled “detection” binder) that can bind simultaneously to a single target protein molecule. Design a magnetic bead or FACS experiment that would allow you to verify whether two different binders (e.g. Binder 1 and Binder 2) can bind simultaneously to the same SARS-CoV-2 target protein molecule.

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