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Investigating biotin-BSM binding to streptavidin (that in turn is bound to dS-OEG-biotin) on QCM-D sensors

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Abstract

This protocol is used for investigating biotin-BSM binding to streptavidin on QCM-D sensors.

Troubleshooting



- 1 Prepare a Hepes Buffered Saline (HBS) solution containing 150 mM NaCl and 10 mM Hepes, a 100 µg/ml biotin-BSM solution in HBS and a 25 µg/ml streptavidin solution in HBS.
- 2 Make a baseline of BSM at a static QCM-D mode.
- 3 Flow the streptavidin solution over the modified sensors (100-500 µl/min), until they are saturated.
- 4 Wash the sensors by flowing them with HBS (100-500 µl/min).
- 5 Flow the sensors with the biotin-BSM solution (100-500 µl/min).