

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.

Citation: Victoria Linderberg Investigating biotin-BSM binding to streptavidin (that in turn is bound to dS-OEG-biotin) on QCM-D sensors. **protocols.io**

dx.doi.org/10.17504/protocols.io.egpbbvn

Published: 04 Feb 2016

Protocol

Step 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.

Step 2.

Make a baseline of BSM at a static QCM-D mode.

Step 3.

Flow the streptavidin solution over the modified sensors (100-500 µl/min), until they are saturated.

Step 4.

Wash the sensors by flowing them with HBS (100-500 µl/min).

Step 5.

Flow the sensors with the biotin-BSM solution (100-500 µl/min).