

Supplementary Materials: A Rapid, Sensitive, and Portable Biosensor Assay for the Detection of Botulinum Neurotoxin Serotype A in Complex Food Matrices

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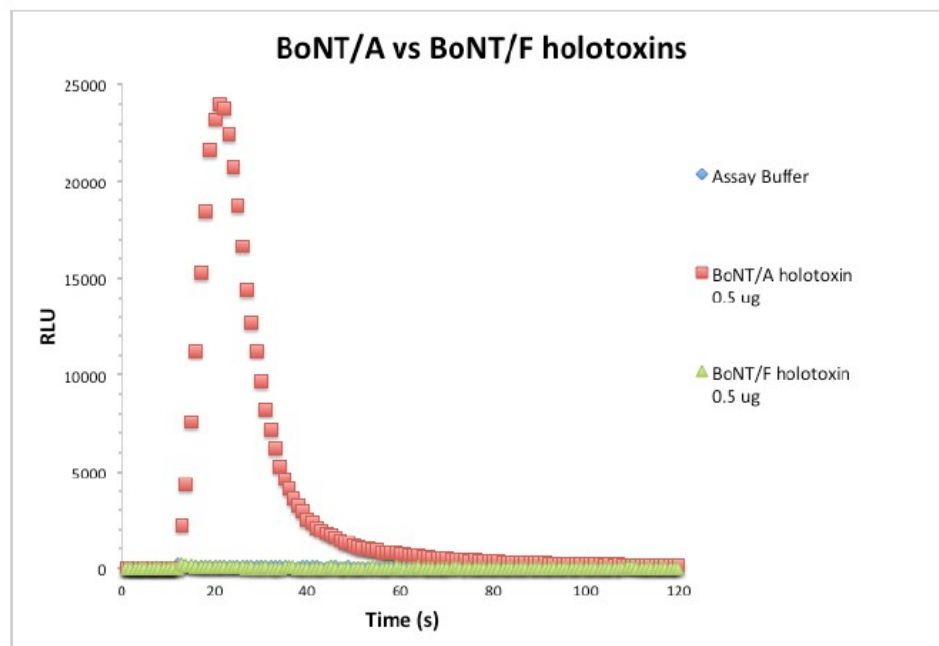


Figure S1. CANARY® biosensor assay specifically detects BoNT/A holotoxin in assay buffer but not BoNT/F holotoxin. 0.5 ug in 50 μ L (1 mg/mL) was used. One experiment with one reaction per condition was tested.

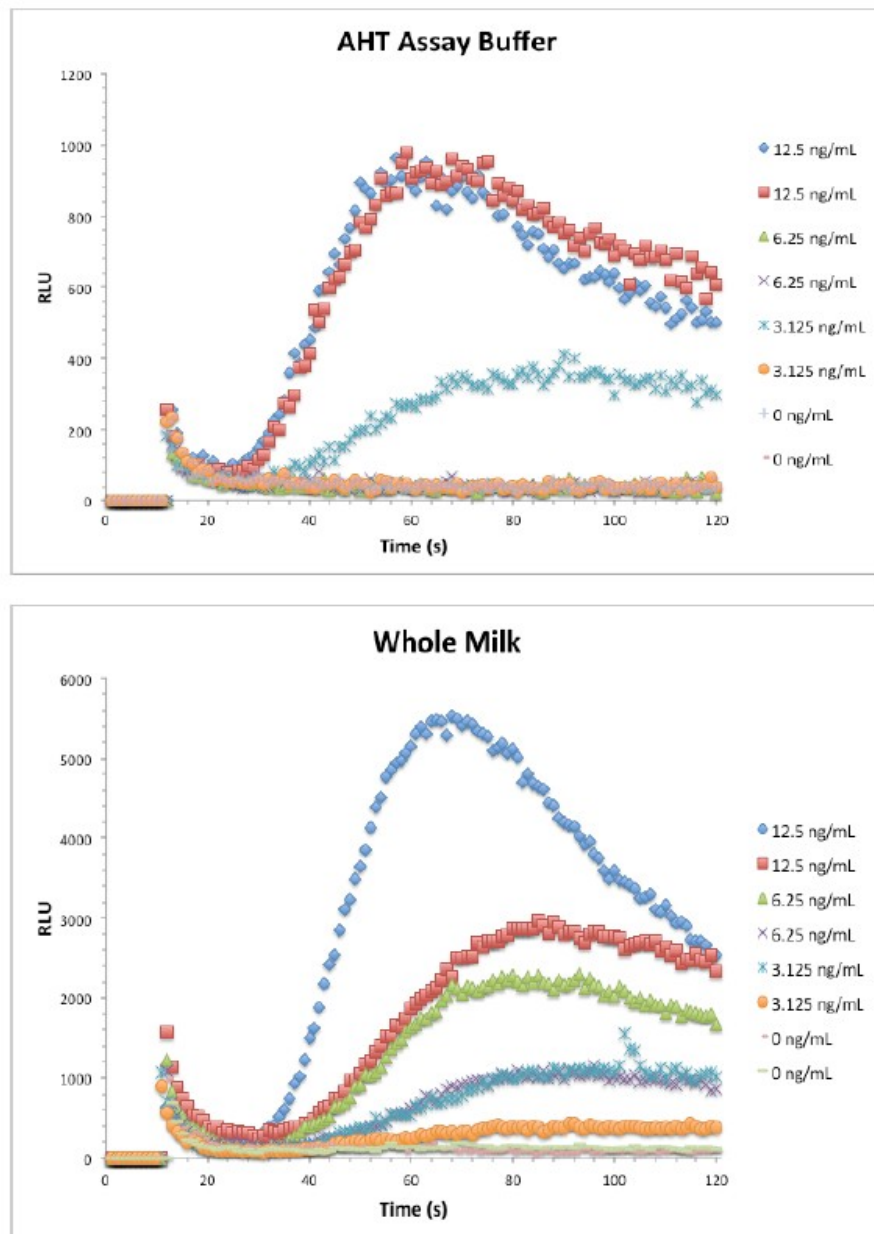


Figure S2. CANARY[®] biosensor assay specifically detects BoNT/A holotoxin (AHT) in assay buffer and whole milk. BoNT/A holotoxin was tested in 11 μ L reaction mixtures with biosensors. Doses were tested in duplicates for each independent experiment.

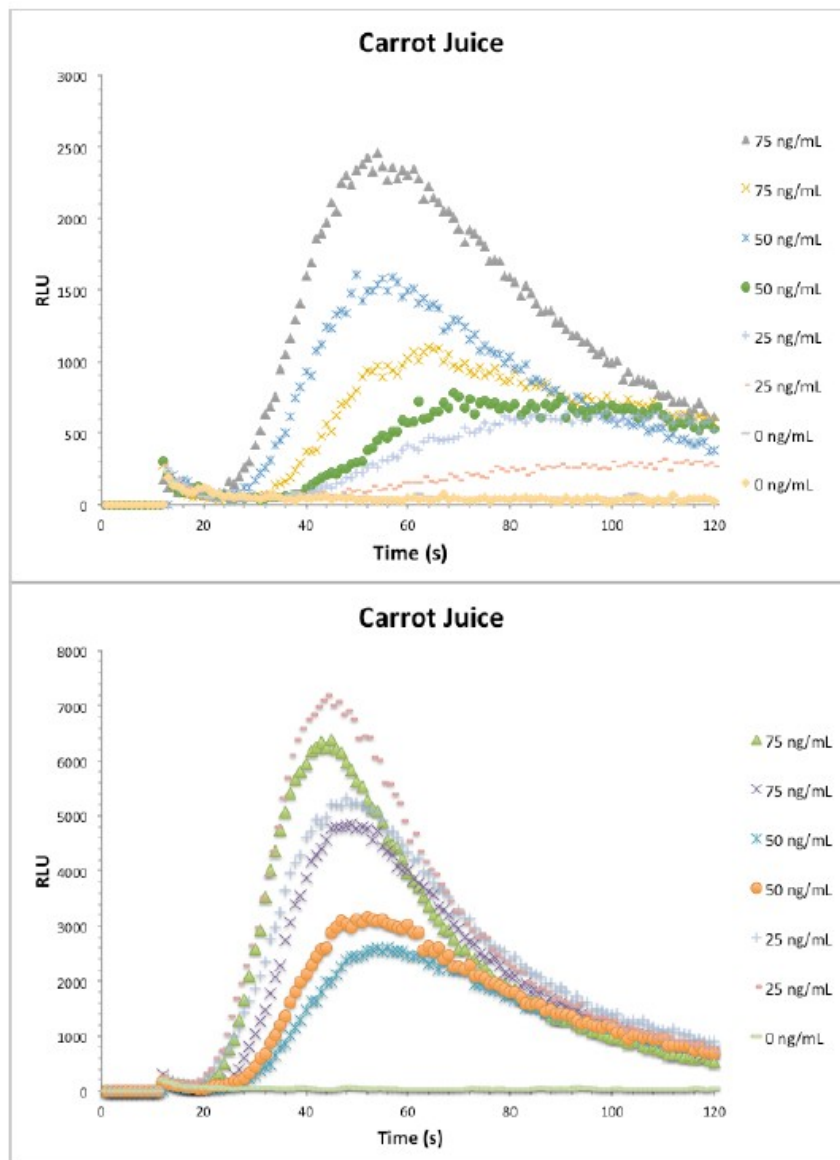


Figure S3. CANARY® biosensor assay specifically detects BoNT/A complex in spiked and then neutralized carrot juice. BoNT/A complex was tested in 50 μ L reaction mixtures with biosensors. Doses were tested in duplicates for each independent experiment.

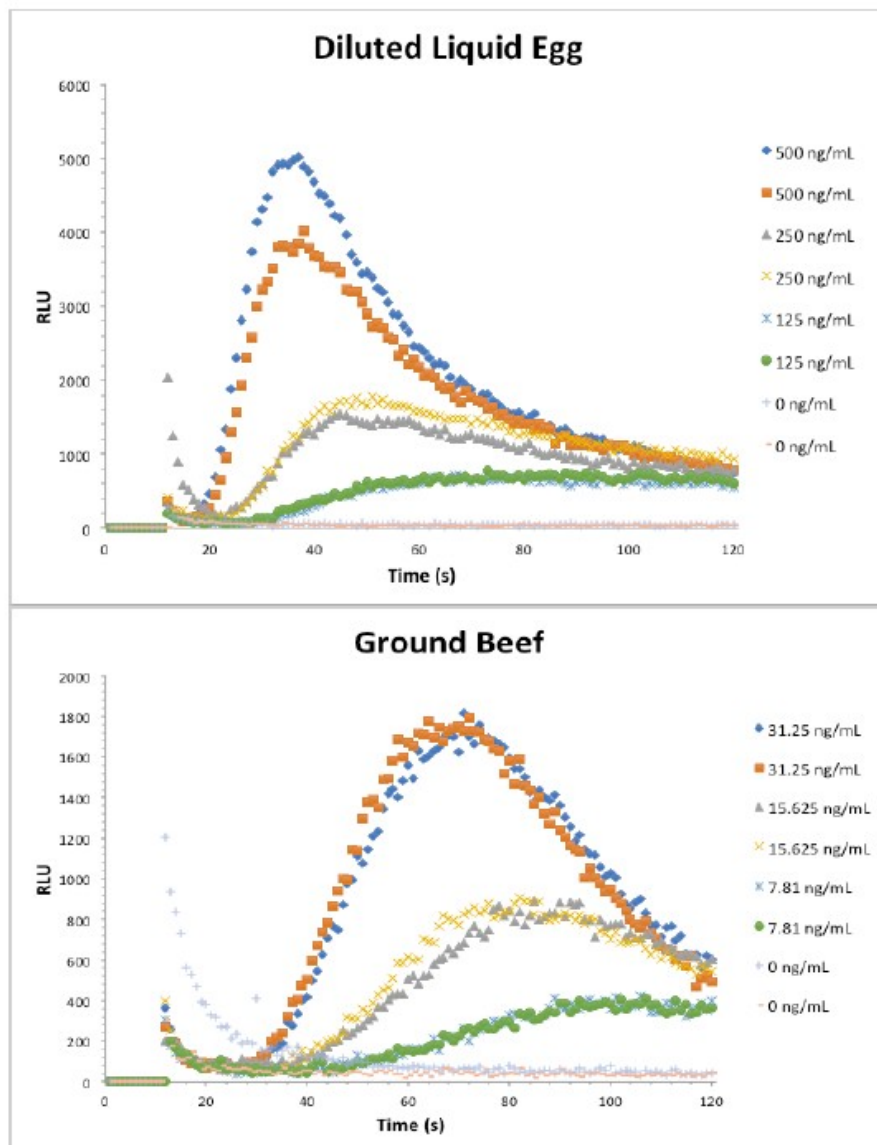


Figure S4. CANARY® biosensor assay specifically detects BoNT/A complex in diluted liquid egg and ground beef. BoNT/A complex was tested in 50 μ L reaction mixtures with biosensors. Doses were tested in duplicates for each independent experiment.

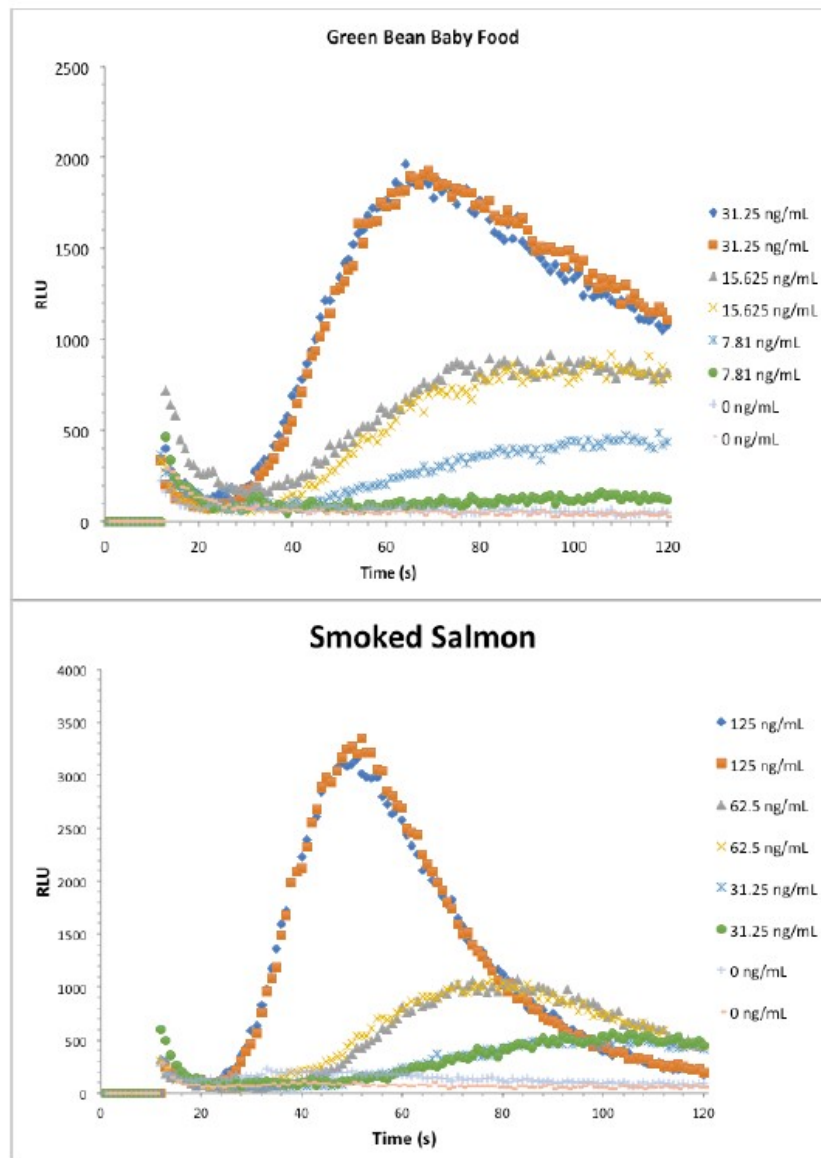


Figure S5. CANARY[®] biosensor assay specifically detects BoNT/A complex in green bean baby food and smoked salmon. BoNT/A complex was tested in 50 μ L reaction mixtures with biosensors. Doses were tested in duplicates for each independent experiment.