

Supplementary Material

Vortex Fluidic Mediated Oxidative Sulfitolysis of Oxytocin

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The vortex fluidic device (VFD) shown in Figure S1 is modular in nature, thus this device can have many configurations. Throughout this report the following specifications were used. The tube used was borosilicate glass, 19 cm long with a 20 mm outer diameter (OD). Rotating tube was always operated at a 45° tilt angle (θ).

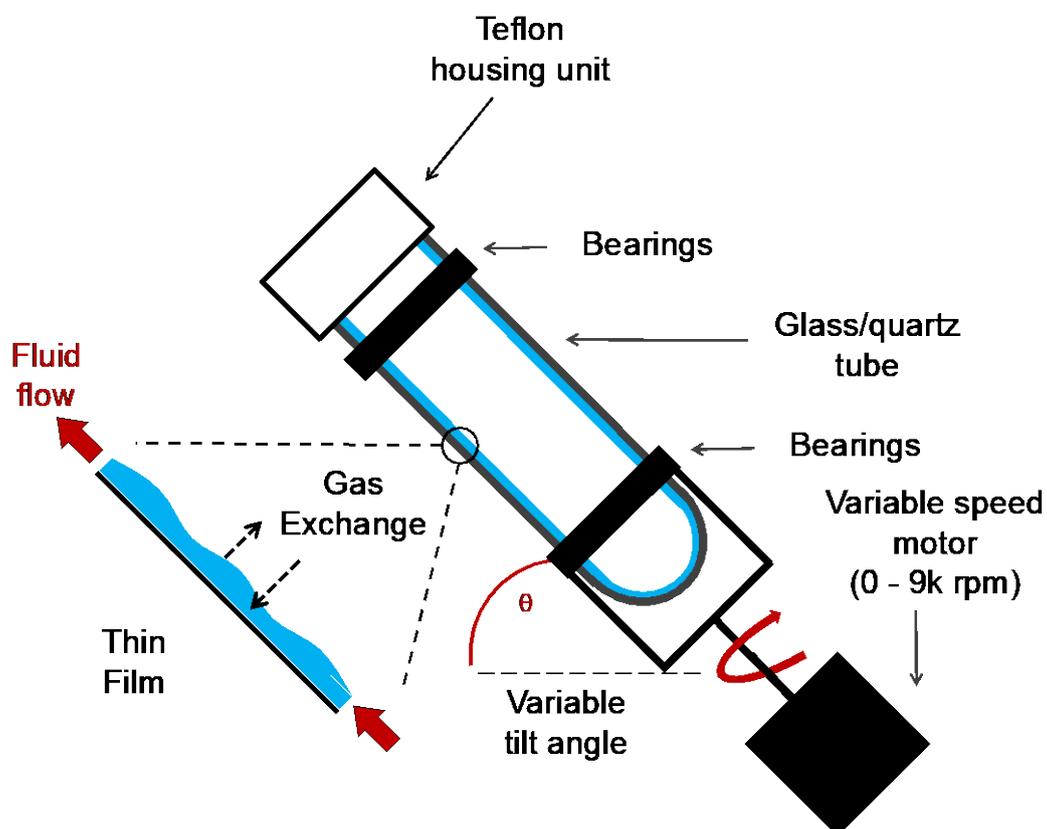


Figure S1. Schematic representation and photograph of the vortex fluidic device (VFD).

Oxytocin

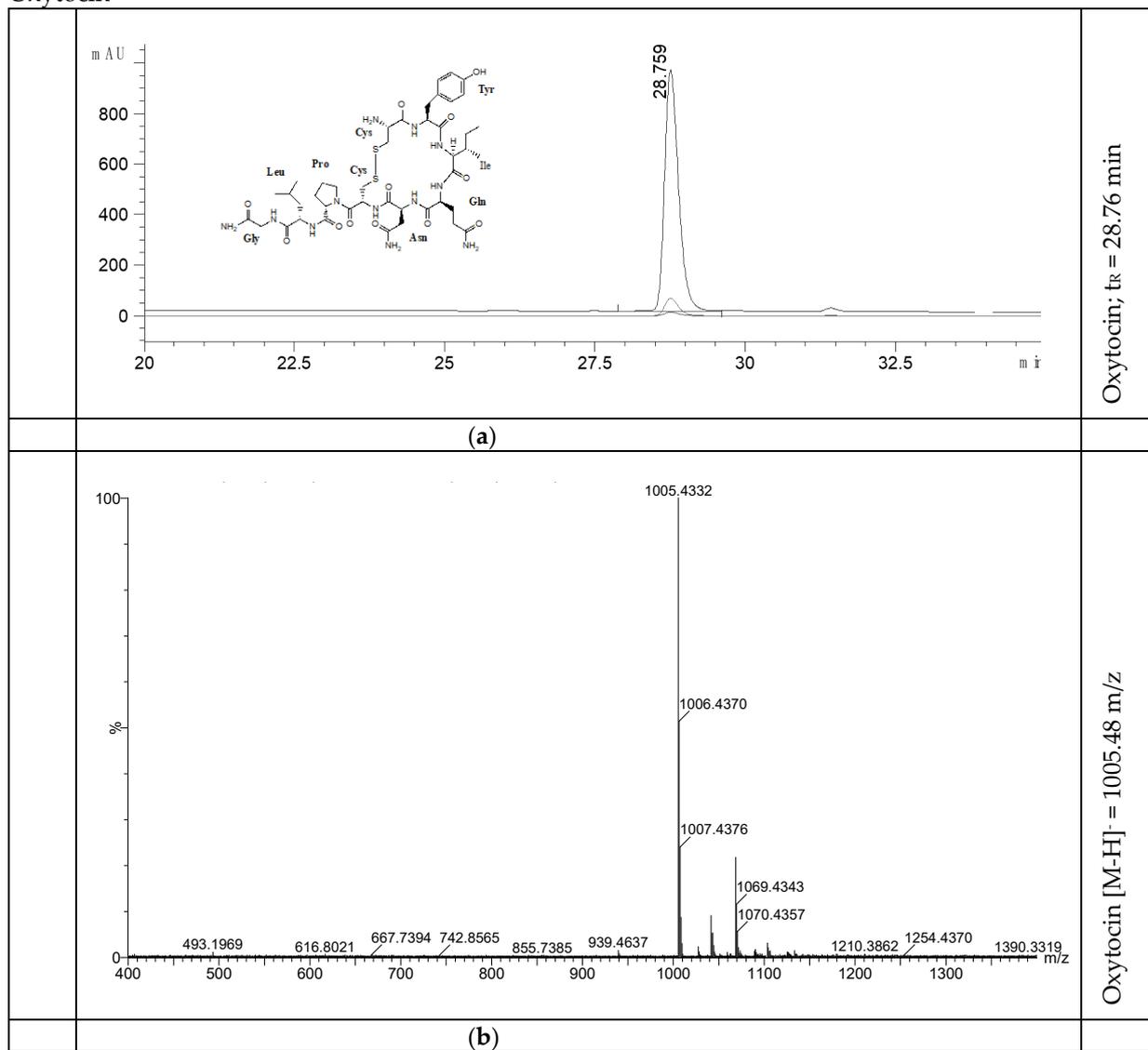


Figure S2. (a) HPLC chromatogram and (b) mass spectra of the eluent peak at 28.76, matching native oxytocin.

Sulfitolysed oxytocin

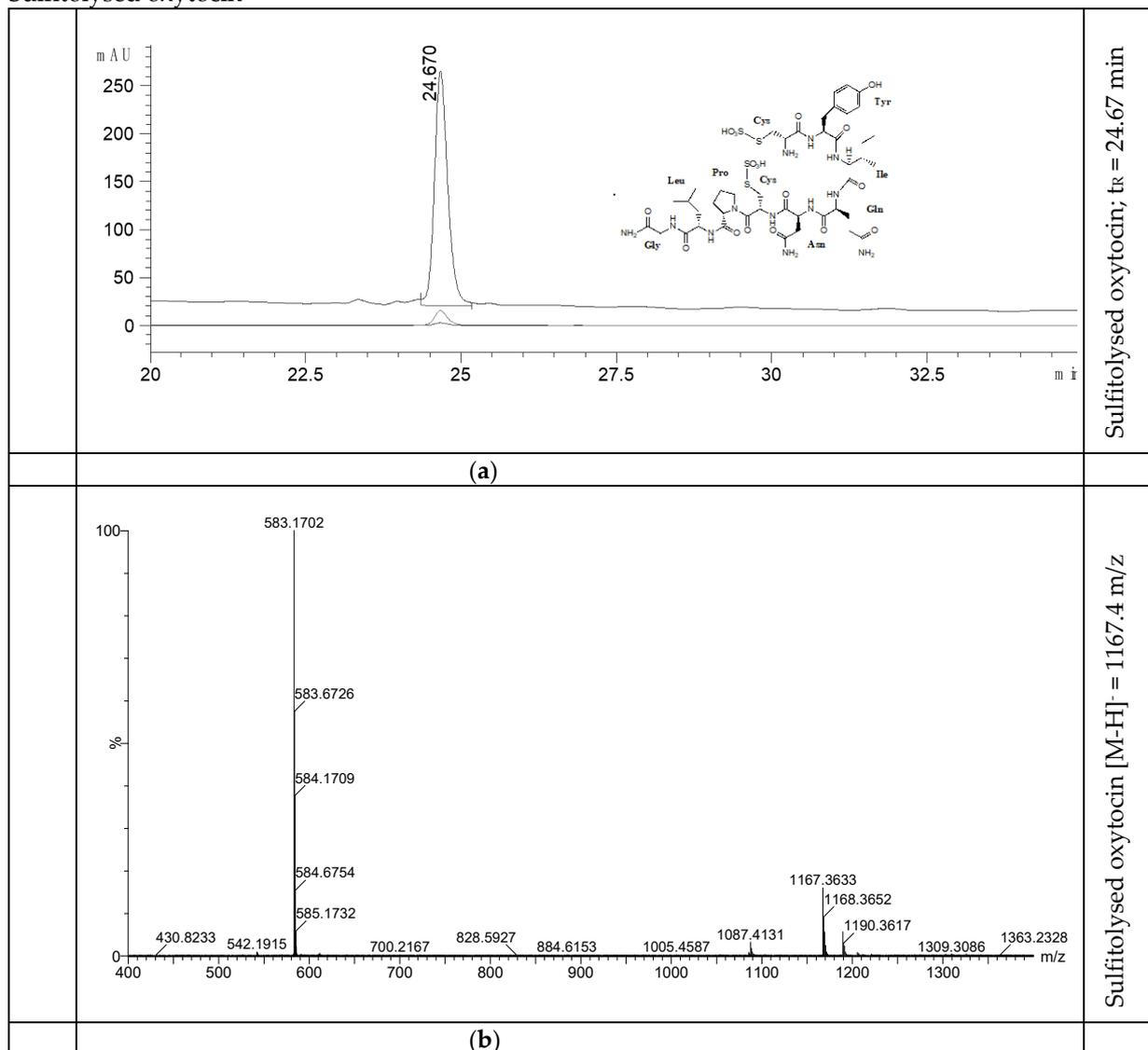


Figure S3. (a) HPLC chromatogram and (b) mass spectra of the eluent peak at 24.67 mins, matching sulfitolysed oxytocin.