

Integrated tapered fiberoptic for simultaneous control and readout of neural activity over small brain volumes with reduced light-induced artefacts

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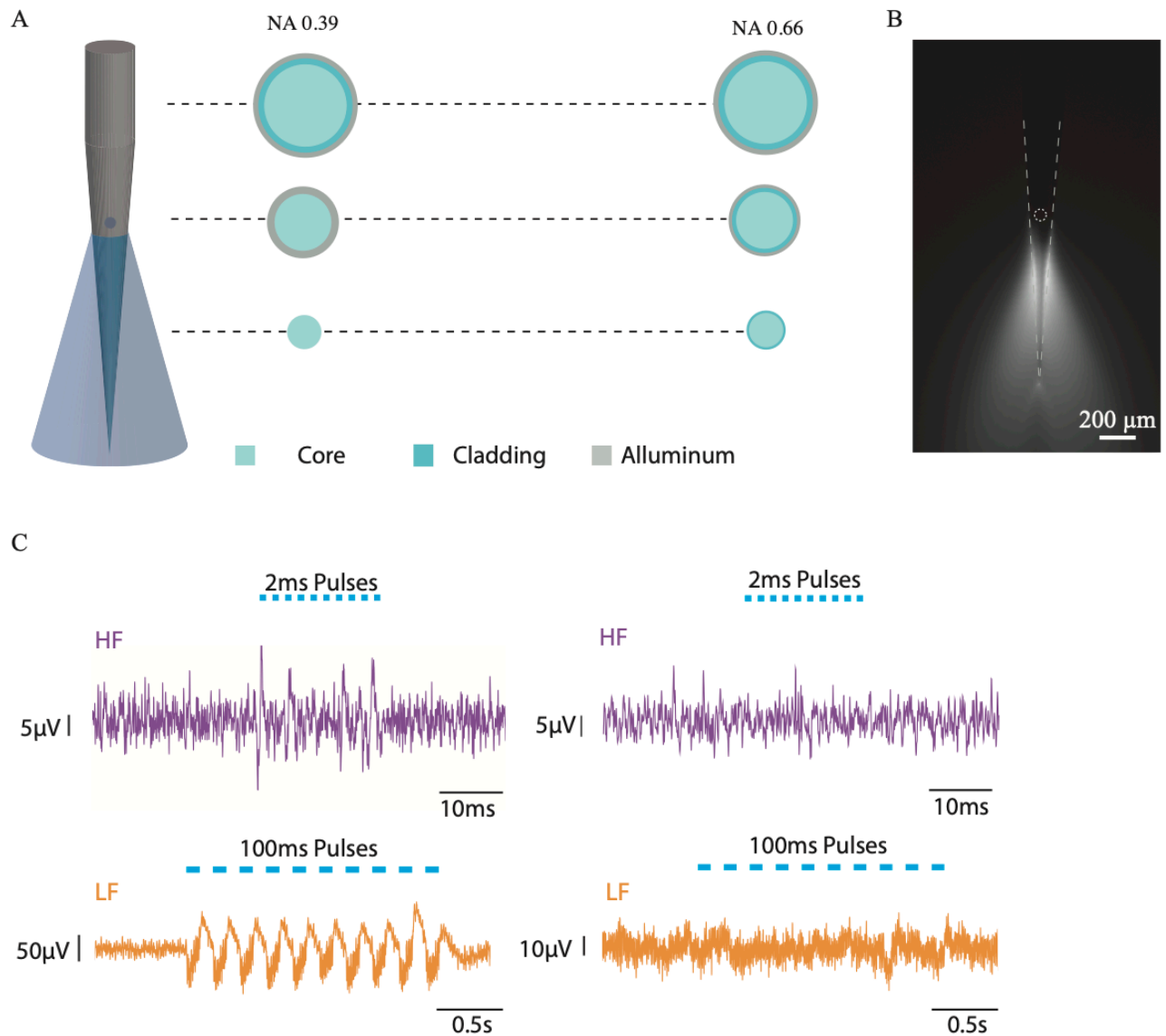
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Supplementary1: Wide volume light delivery and electrical recording.



(A) Schematic of an alternative fiberoptic design for wide volume illumination and recording. 0.39NA polymeric coating is lost during the pulling process, while it is preserved in 0.66NA fibers made of borosilicate glass. (B) Characterization of light emission in PBS:fluorescein solution (C) Light induced artefacts in PBS for 0.39NA (left) and 0.66NA optic fiber (right).