Supplementary material for

Nasal Exudate Sampling for GFAP determination: A comparative study of collection devices and recovery methods for point-of-care stroke diagnosis

Pablo Rioboó-Legaspi[a], Estefanía Costa-Rama[a,b]*, Beatriz Fernández[a,b]. Carmen García-Cabo[c,d], Lorena Fernández-Benavente[c,d], Sergio Calleja-Puerta[c,d], M. Teresa Fernández-Abedul[a,b]*

[a] Department of Physical and Analytical Chemistry, Universidad de Oviedo, Oviedo, Spain

[b] Biomedical Engineering Centre, Universidad de Oviedo, Oviedo, Spain

[c] Neurology Department, Hospital Universitario Central de Asturias, Oviedo, Spain

[d] Clinical and Basic Neurology Research Group, Instituto de Salud del Principado de Asturias (ISPA), Oviedo, Spain

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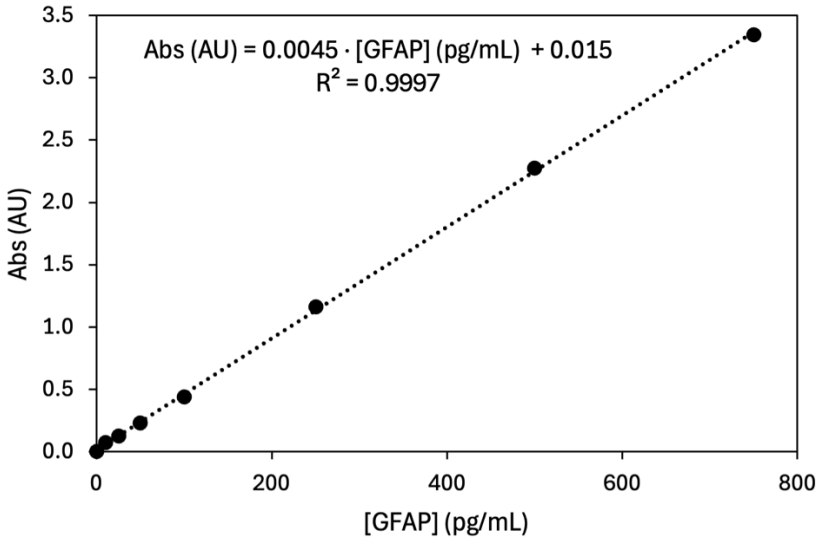


Figure S1. Calibration curve obtained for GFAP determination with the sandwich immunoassay. Absorbance is plotted against [GFAP] for 0, 10, 25, 50, 100, 250, 500 and 705 pg/mL. The average of three measurements is plotted. All SDs are under 0.004 AU.

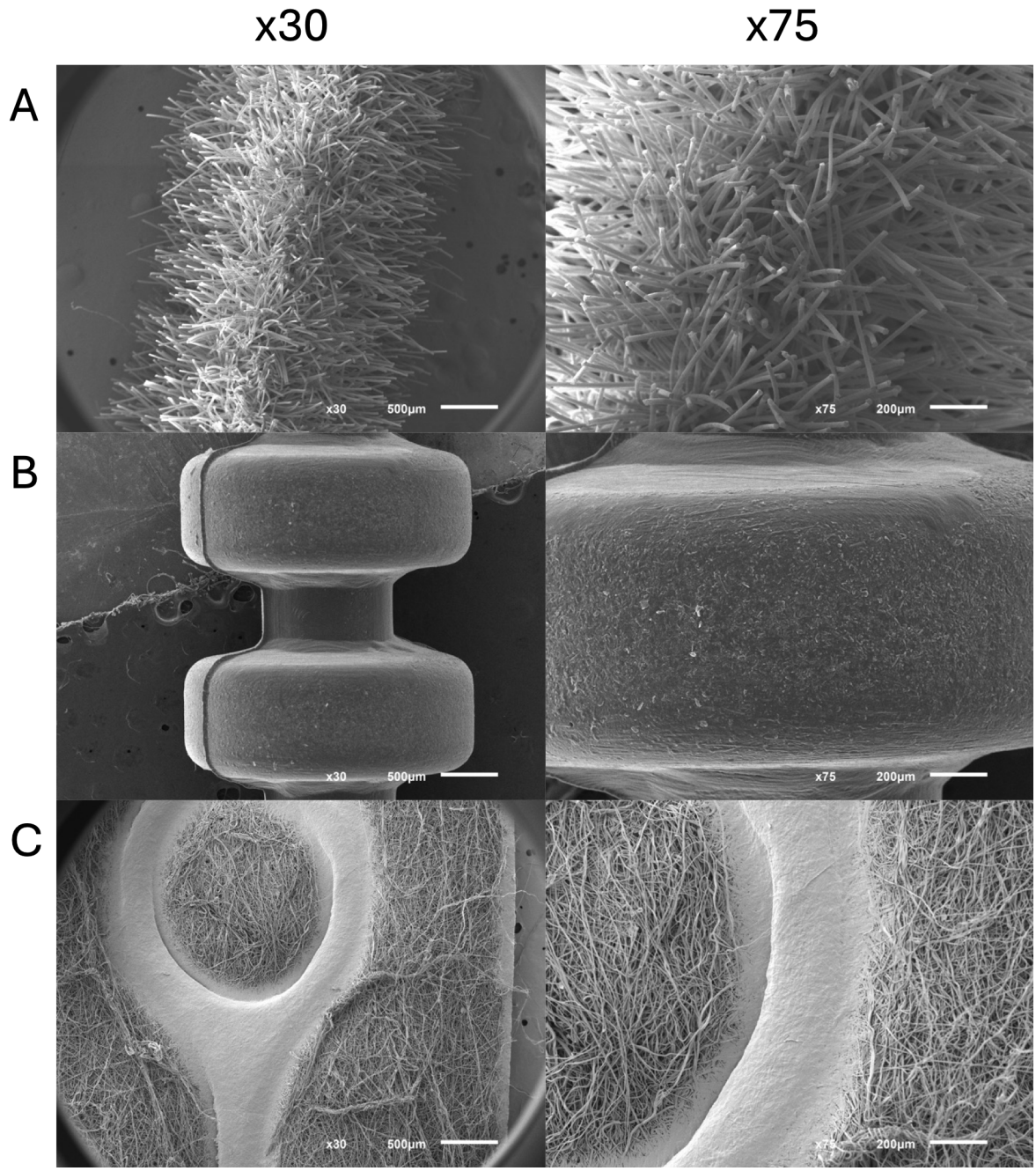


Figure S2. SEM images of the sampling devices studied in this work. A: Flocked Nylon Swabs. B: GrooveSwab®. C: Nasosorption™

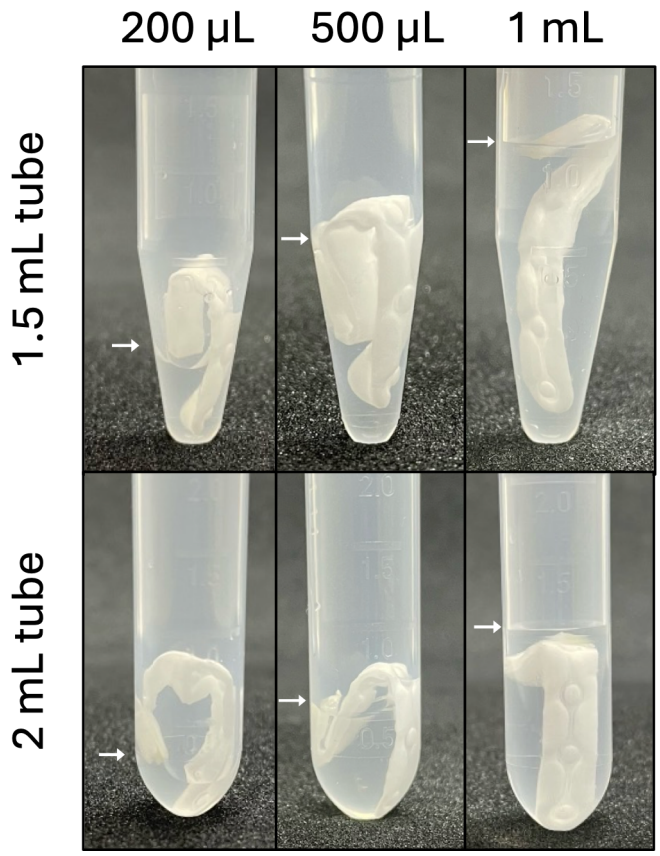


Figure S3. Assessment of the tube and buffer volume required for appropriate recovery when using the Nasosorption™ swab. Volume of the buffer is indicated on the top, while the tube used is indicated on the left. White arrows indicate approximate top level of the liquid.

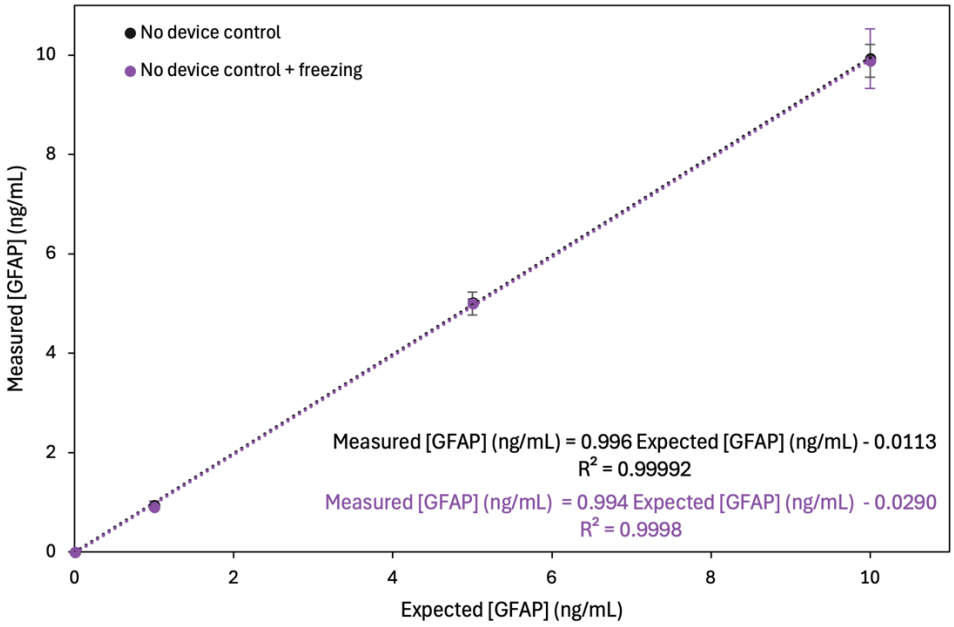


Figure S4. Control experiment for study the GFAP recovery through processing tubes and spin columns in the absence of a collection device. Measured GFAP concentrations are plotted against the expected concentrations. Error bars indicate the SD of three replicates.