Title (en)

Method for hydrophobic coating of pipette tips

Title (de)

Verfahren zur hydrophoben Beschichtung von Pipettierspitzen

Title (fr)

Procédé de revêtement hyrophobe d'embouts de pipette

Publication

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Application

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Priority

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Abstract (en)

[origin: US2012009100A1] The present invention relates to a pipette tip (10), for aspirating and dispensing pipetting fluid, which extends along a pipette tip longitudinal axis (L), a first axial longitudinal end region (16) of the pipette tip (10), as a pipetting longitudinal end region (16), comprising a pipette opening (12), through which pipetting fluid can flow in the course of operation, and a second axial longitudinal end region (18) of the pipette tip (10), as a coupling longitudinal end region (18), which opposes the pipetting longitudinal end region (16) in the axial direction, comprising a coupling shape, for coupling, preferably releasable coupling, to a coupling counter-shape of a pipette device, the pipette tip (10) comprising an outer hydrophobic region (32) on the outside (30) thereof and an inner hydrophobic region (26) on the inside (28) thereof, each having a quadratic roughness in a range of 100 nm to 1000 nm, preferably of 150 nm to 750 nm and particularly preferably of 200 nm to 500 nm, and having a peak-to-peak roughness in a range of 800 nm to 5500 nm, preferably of 1750 nm to 4500 nm and particularly preferably of 2500 nm to 3700 nm, the axial extension range of the outer hydrophobic region (32) and the axial extension range of the inner hydrophobic region (26) differing from one another.

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