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Product Data Sheet

Fluo-ST3

Hydrophobic Surface Treatment

FLUO-ST3 - HYDROPHOBIC SURFACE TREATMENT

OVERVIEW

Fluo-ST3 is a fluorophilic surface treatment composed of a fluoroalkylsilane dissolved in a perfluorinated polyether solvent. Fluo-ST3 is a clear solution with low viscosity, low interfacial tension and compatible with a wide range of materials including glass, PDMS, COC/COP, PMMA and PC. After treatment, a uniform layer is covalently attached to the treated surfaces, making the walls of the microfluidic channels hydrophobic and fluorophilic. This treatment allows a better formation and stability of droplets generated in fluorinated oils. Fluo-ST3 is especially adapted for use with Emulseo's surfactants and oils.

BENEFITS

- Droplet performance and stability improvement
- Easy-to-use surface treatment
- Reproducibility of microfluidic experiments

RECOMMENDATION

<u>For best results:</u>

- Clean the chip with isopropanol
- Fill the microfluidic channels with Fluo-ST3, leave for 30 s and flush the excess
- Rince the channels with a fluorinated oil

STORAGE

The surface treatment Fluo-ST3 from Emulseo can be stored at room temperature in the supplied vial for one year without loss of performance.

SAFETY NOTES



Wear protective gloves/protective clothing/eye protection.
For additional information, see the Material Safety Data Sheet

After use, dispose of the products in an appropriate waste container in accordance with local regulations

CONTACT

If you have any queries, please do not hesitate to e-mail us at: contact@emulseo.com