

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

For best results:

- Clean the chip with isopropanol
- Fill the microfluidic channels with Fluo-ST3, leave for 30 s and flush the excess
- Rinse 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



CONTACT

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