

Surface treatment from Emulseo (Aquapel)

The surface treatment from Emulseo is a fluorophilic surface coating agent for enhanced performance and stability of aqueous droplet in fluorinated oils.

Overview

The surface treatment from Emulseo is composed of fluoroalkylsilanes that are chemically reactive to plasma etched glass and polydimethylsiloxane (PDMS) surface. After treatment, a uniform fluorophilic layer is covalently attached to surfaces of the microfluidic devices.

It allows a better performance and stability of formed aqueous droplets in fluorinated oils.

Benefits

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

How to use?

- Fill the contents of the vial in a glass syringe beforehand purged with argon.
- Attach a needle fitted with PTFE tubing.
- Purge the microfluidic channels with argon.
- Fill the microfluidic channels with the surface treatment via the tubing.
- Remove the excess of surface treatment with argon.
- Place the microfluidic chip in an oven at 60°C overnight.

Storage

The surface treatment from Emulseo can be stored at room temperature in a glass syringe for one month. Change the needle before each manipulation.

Safety Notes



Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing mist or vapour.

For additional information, see the Material Safety Data Sheet

Contact

If you have any queries, please do not hesitate to email us at:

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