

Fluo-Oil 135

Fluorinated Oil



FLUO-OIL 135 - FLUORINATED OIL

OVERVIEW

Fluo-Oil 135 is a fluorinated oil proposed by Emulseo as an alternative to Fluo-Oil 7500 and Novec™ 7500 for microfluidic applications. Fluo-Oil 135 physico-chemical properties are similar to those of Fluo-Oil 7500 and are summarized in the table below. Fluo-Oil 135 is especially recommended for solubilization of surfactants from Emulseo.

	Fluo-Oil 135	Fluo-Oil 7500
Appearance -----	Transparent	Transparent
Biocompatibility -----	✓	✓
Boiling point (°C) -----	135	129
Viscosity (mPa.s) -----	1.72	1.24
Density -----	1.72	1.61

The slightly higher viscosity of Fluo-Oil 135 results in a decrease of the number leakages during microfluidic experiments compare to similar experiments performed with Fluo-Oil 7500 and Novec™ 7500 (cf. Fluo-Oil 7500 PDS)

BENEFITS



Biocompatibility



Reproducibility



Stability

RECOMMENDATION

Emulseo's Fluo-Oil 135 has been precisely designed to dilute Emulseo's surfactants neat or already diluted in Fluo-Oil 135.

STORAGE

Emulseo's fluorinated oil should be stored at room temperature protected from light in glass vials for 1 year. After solubilization of FluoSurf™ in the oil, the solution should be stored at room temperature protected from light for 1 year.

SAFETY NOTES

- Avoid inhalation, ingestion and contact with skin and eyes
- Wear chemical resistant personal protective equipment
- Wear suitable gloves
- Wear suitable protective clothing
- Safety glasses with side-shields

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