



OVERVIEW

Fluo-Oil 200 is a fluorinated oil proposed by Emulseo as an alternative to Fluo-Oil 40 and Fluorinert™ FC-40 for microfluidic applications. Fluo-Oil 200 has especially been formulated to ensure stability, biocompatibility, and reproducibility of microfluidic experiments. Fluo-Oil 200 chemical and physico-chemical properties are similar to those of Fluo-Oil 40 and are summarized in the table below.

	Fluo-Oil 200	Fluo-Oil 40
Appearance -----	Transparent	Transparent
Biocompatibility -----	✓	✓
Boiling point (°C) -----	196	165
Viscosity (mPa.s) -----	4.3	4.1
Density (g/cm3) -----	1.79	1.85

It is especially recommended for solubilization of surfactants from Emulseo (cf. Fluo-Oil 40 PDS)

BENEFITS

			
Biocompatibility	Reproducibility	Stability	Leakage control

RECOMMENDATION

Emulseo's Fluo-Oil 200 has been precisely designed to dilute Emulseo's surfactant neat or already diluted in Fluo-Oil 200. However, it is not recommended for thermocycling experiments.

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 has to be stored at 4°C for 6 months.

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



CONTACT

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