

Fluo-Oil 200

Fluorinated Oil



FLUO-OIL 200 - FLUORINATED OIL

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 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