

Xdrop® Surf

Fluorinated surfactant



Xdrop Surf is a patented, high-performance biocompatible fluorinated surfactant designed to stabilize picodroplets and their cellular or molecular contents. Its versatility extends across a spectrum of research programs, including single-cell analysis, antibody discovery, and CRISPR genome editing.

Key Features

- Facilitates generation of stable aqueous solution-in-oil picodroplets.
- Enables consistent droplet formation and stabilization.
- Ready to use, ensuring ease and efficiency in experimental setups.
- Animal origin free

With Xdrop Surf, researchers can achieve reliable and reproducible results across various temperatures and biological conditions. Join the forefront of microdroplet technology and enhance your research endeavors today.

Patent Number: EP4351786A1



Benefits of Xdrop Surf

Fluorinated surfactant

High Stability: Xdrop Surf offers exceptional stability, effectively stabilizing droplets ranging from 1.6 pL to 300 pL in size.

Biocompatible: Designed with biocompatibility in mind, Xdrop Surf is ideal for stabilizing droplets containing various biochemical compounds, including mammalian cells and DNA.

High Purity: Through optimized synthesis processes, Xdrop Surf is produced with exceptional purity, ensuring reliable performance and minimal interference with experimental outcomes.

Minimal Partitioning: The high purity of Xdrop Surf facilitates efficient containment of both hydrophilic and hydrophobic molecules within droplets, enabling precise experimentation and analysis.

Reproducibility: Each batch of Xdrop Surf undergoes rigorous quality control testing to ensure consistent performance and structural integrity. Upon request, a certificate of analysis is available, providing confidence in product quality and reproducibility.

Product specifications

Product name: Xdrop Surf

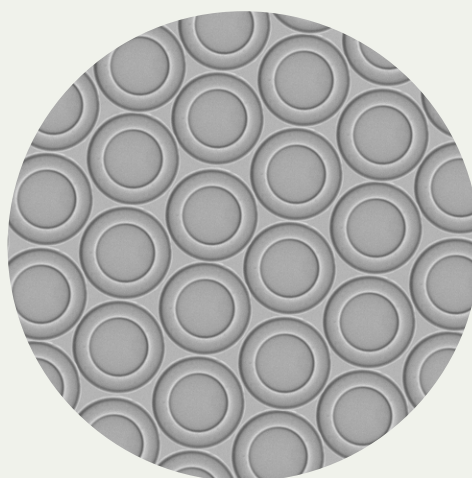
Solvents: Fluorinated oils such as HFE 7500

Biocompatibility: Biocompatibility has been tested with bacteria, yeast and mammalian cells.

Stability: 10% CV after 3 days of incubation at 37 °C.

Hazards: Not classified hazardous to health. SDS available on the Samplix' website.

Storage: Once diluted Xdrop Surf should be stored at 4 °C protected from light. Xdrop Surf neat can be stored at room temperature.



Contact us at samplix.com/contact

