

Imaging Flow Cytobot (IFCB)

In-situ automated submersible imaging flow cytometer

Target organisms: phytoplankton
Size range: < 10-150 μm
The instrument combines high-quality imaging, cytometry, automatic sampling and some tools for the subsequent image analysis.

- Can be operated with chlorophyll a trigger to prevent non-living material to be imaged
- Images are later identified either manually or automatically based on training data sets
- Works in automated mode by remote desktop connection, takes 5-ml samples at 20 min intervals
- Link to more technical details, specs and manufacturer's web page:
<https://mclanelabs.com/imaging-flowcytobot/>
- Contact Kaisa Kraft (firstname.surname@syke.fi)

