

Microplastic laboratory

at the Marine Research Laboratory, Viikki, Helsinki

In-house protocols to study the amount and type of plastic polymers in different matrices. Sample processing methods include enzymatic digestion of organic material and density separation. Especially relevant for analyzing plastic polymers from marine monitoring samples are [epifluorescence microscopes](#).

- Instruments

- Incubator shaker ([Infors Multitron standard](#))
- Fume hoods and a laminar hood
- A high magnification (up to 640X) fluorescence stereomicroscope equipped with advanced imaging and analysis tools ([Leica Microsystems](#))
- Close collaboration with [SYKE Laboratory Centre](#): spectroscopical material characterization (FTIR)
- Video: [Collaboration with sailors](#) (in Finnish)
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