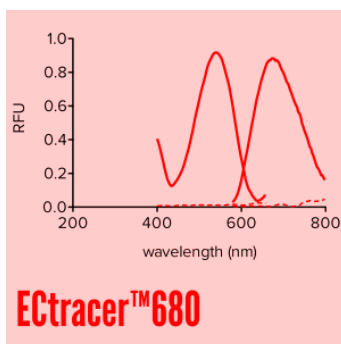


ECtracer™

General Information

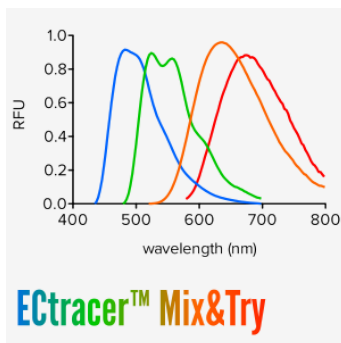
ECtracer™ are fluorescent molecular tracers for detection of bacterial biofilm components. ECtracer™ allow direct visualisation of biofilm, without using antibodies or any toxic chemicals. ECtracer™ are highly fluorescent only when they are bound to their target, non-toxic, and do not interfere with bacterial growth or biofilm formation at recommended concentrations. This allows for a variety of applications: ECtracer™ can be used to stain biofilm at an air-liquid interface or used to detect biofilm in sections of infected tissues. Further, ECtracer™ can be used to quantify colony biofilm components by spectrophotometric detection of biofilm components in colony resuspensions. Strikingly, ECtracer™ can be added to a live culture to track biofilm formation in real-time using spectrophotometric analysis. Further, ECtracer™ are photo- and thermostable and allow for easy handling in any application. We offer ECtracer ex vivo products for staining of biofilm at surfaces or in tissue sections, biofilm tracking in live cultures and biofilm quantification from colony resuspensions. ECtracer™ ex vivo products are available in aliquots of 50 µl or 100 µl.



ECtracer™ 680 is our red fluorescent tracer molecule for staining of curli and cellulose in the bacterial extracellular matrix.

ECtracer™ 680 fluorescence is readily visualized using standard microscopy equipment. Excitation is achieved using the 561 nm laser line, and emission can be detected at 680 nm using the standard Cy5 filter set. The optical spectrum of ECtracer™ 680 allows custom settings to be applied, using an excitation range of 530-565 nm and a detection range of 600-800 nm. With exceptionally high signal-to-noise ratio and spectral properties that are clearly distinguishable from biological autofluorescence, we especially recommend ECtracer™ 680 for tracking of biofilm in live cultures.

ECtracer™ 680 is available as ex vivo variant in 50 µl and 100 µl aliquots. Please contact us for custom options.



ECtracer™ Mix&Try Kit is our Test Kit for Getting Started

ECtracer™ Mix&Try Kit contains 10 µl each: the blue ECtracer™ 480, the yellow ECtracer™ 520, the orange ECtracer™ 630 and the red ECtracer™ 680. ECtracer™ 480 is excited between 405-458 nm and fluorescence emission occurs between 470-550 nm. ECtracer™ 520 is excited between 405-488 nm and emission is detected between 500-600 nm. ECtracer™ 630 is excited between 458-514 nm and emission is detected between 600-650 nm. ECtracer™ 680 is excited between 530-565 nm emission is detected between 600-800 nm. Using all these different options will allow you to select the best ECtracer™ for your experiment.

ECtracer™ Mix&Try Kit is available as ex vivo variant. Please contact us for custom options.

ECtracer™

- ... are provided as ex vivo variant in volumes of 50 µl and 100 µl
- ... are diluted 1000-fold
- ... are non-toxic
- ... are photo- and thermostable

Storage

- Store ECtracer™ at 4°C
- Use the opened vial within 12 month

Note

- 1 ECtracer™ is for research use only.
- 2 ECtracer™ is not for diagnostic use or use in humans.
- 3 ECtracer™ is not for resale.
- 4 ECtracer™ is a trademark belonging to Ebba Biotech AB

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