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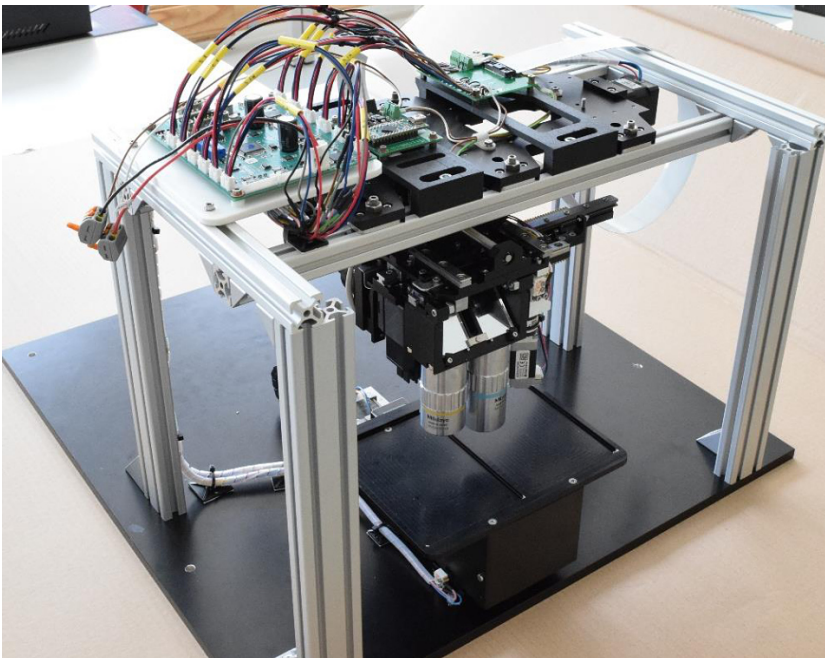
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Fluorescence reader for microtitre plates

The Fluorescence Analyser can simultaneously analyse two standardised microtitre plates (MTPs) with fluorescent sample material. Each sample well of the MTPs can be approached and analysed individually. Automated analysis of all sample wells in a defined grid is also possible. The Z-axis allows a stack of images to be taken if required, so that transparent so that even transparent samples can be analysed in several layers. The analyser can be equipped with LEDs of different wavelengths so that the analysis and use of common fluorescent substances such as FITC, GFP, DAPI etc. is feasible.



Hardware

- B/W camera with 5 MP
- Two infinity corrected objectives with 2x and 10x magnification - other magnifications up to 50x can also be used in the automatic objective changer
- Automatic changing of 4 LED filter cubes with different wavelengths that excite the sample to fluorescence -> cubes can be exchanged so that other wavelengths can also be used
- Six individually controllable axes (X, Y, Z, filter changer, objective changer, loading device)

Travel ranges

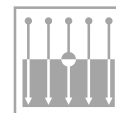
- X – 160mm
- Y – 200mm
- Z – ca. 18mm

Resolution

- X, Y – 5µm
- Z – 1µm



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