

OrganEYEzer

Automated organoid handling and sorting



Automated imaging, classification, sorting, and handling of organoids

Sorting of Retinal and Brain Organoids

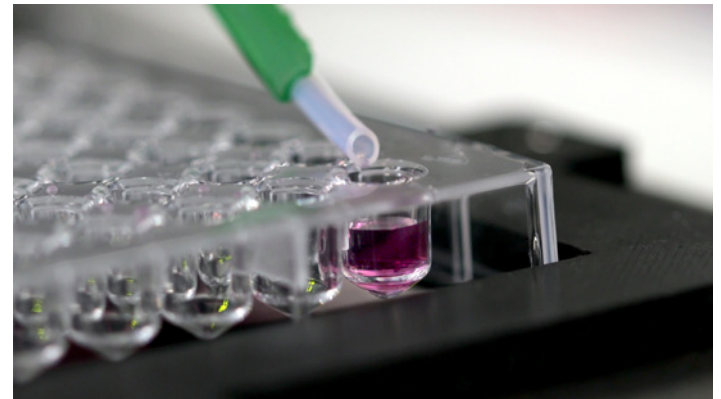
Collaboratively developed with the Institute of Molecular and Clinical Ophthalmology Basel (IOB), OrganEYEzer is a cutting-edge automated sorting device with integrated microscopy and AI for quality control. Designed specifically for engineers, this innovative tool streamlines workflows for retinal and brain organoids.

Powered by Artificial Intelligence

OrganEYEzer employ deep-learning to swiftly and accurately identify, classify, and sort organoids based on various characteristics, such as size and shape. This real-time analysis eliminates the need for manual sorting, significantly reducing the chances of errors and saving valuable time.

Key features

- Image, classify, and sort organoids based on quality, distinguishing high from low-quality samples
- Increase the speed, capacity, and overall efficiency of organoid culture while simultaneously decreasing costs
- Accelerate the sorting process by ~50% compared to manual sorting over a full day
- Capable of handling large organoids ($\varnothing > 0.5\text{mm}$)



Our inhouse project

