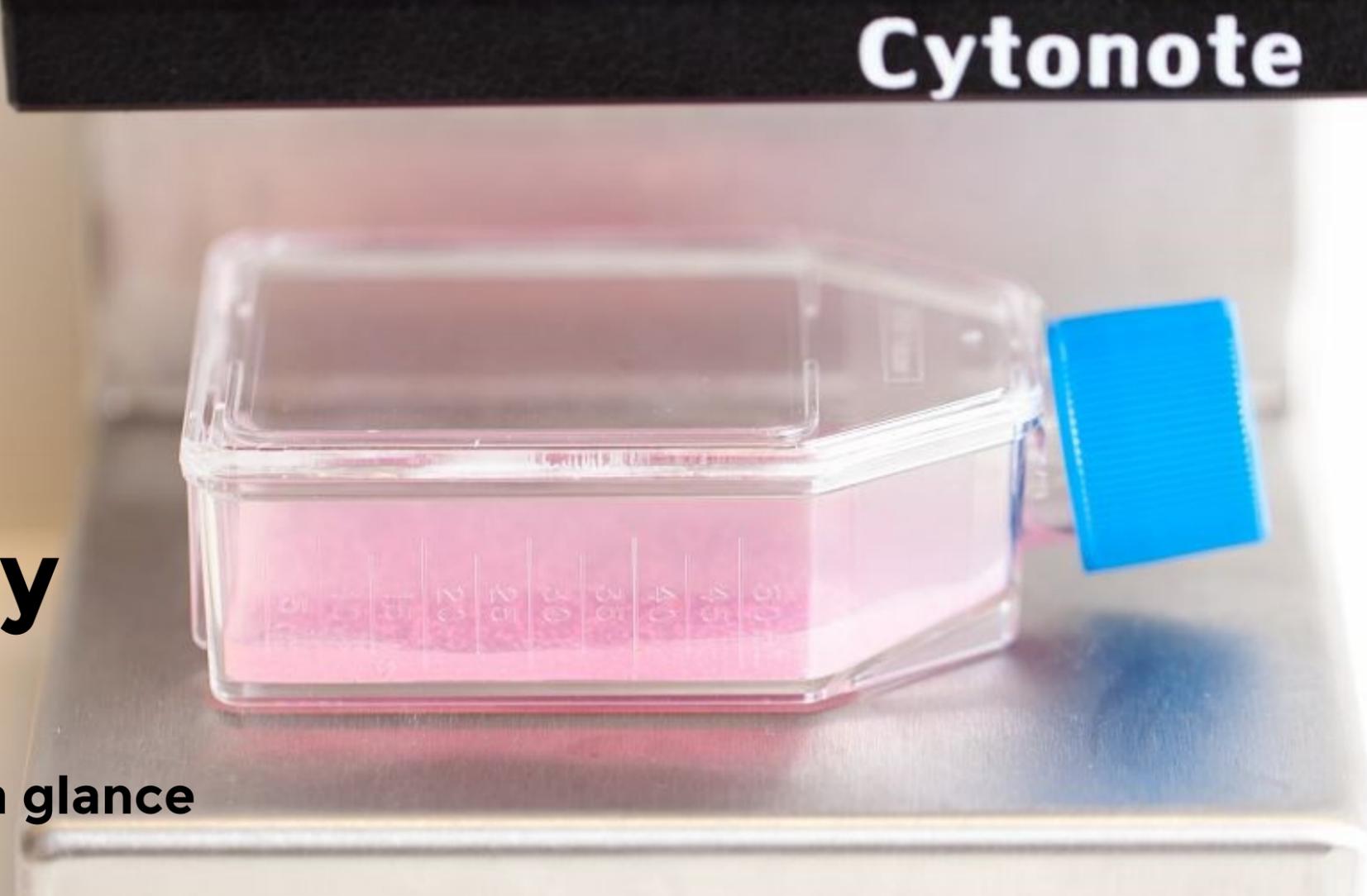


Cytonote by Iprasense

Thousands of cells at a glance



Cytonote was developed jointly by Leti, a CEA Tech institute, and Iprasense, a company that develops and commercializes cell analyzers for the pharmaceutical industry.

Cytonote is a silicon mini-microscope whose optics (the most important part of a traditional microscope) have been eliminated. It takes the form of a digital reader compatible with all types of laboratory beakers and equipped with LEDs and CMOS sensors that generate images and videos of cell

activity directly in the cell culture environment. The technology can capture a very large observation field (ten times the area that can be observed by a microscope) without compromising image resolution and is easy to use (no need to zoom or make other adjustments). The cost is lower than other real-time cell imaging techniques.

Iprasense and Leti are continuing to work on Cytonote under a joint lab. The goal is to increase the number of sensors to

enable several analyses to be conducted simultaneously. The research is also focusing on using this type of lensless imaging for 3D cell cultures to replicate the human body as closely as possible.

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