SCIPIO BIOSCIENCES KIT

A single-cell resolution RNA sequencing kit for all workbenches

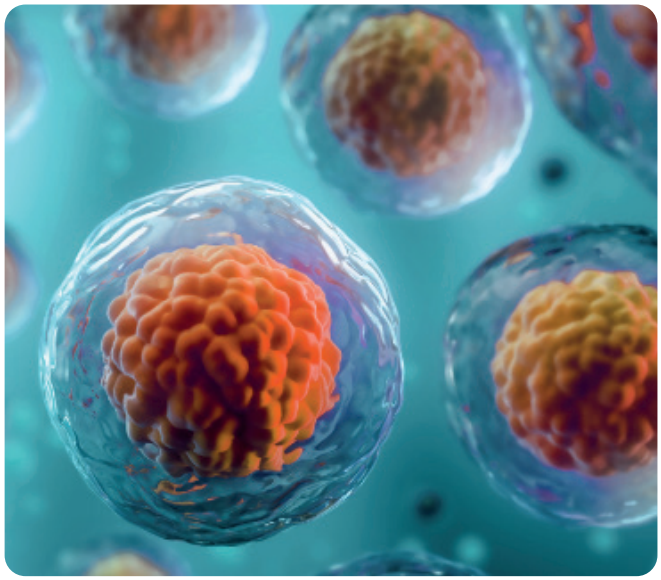
RNA sequencing at individual cell level makes it possible to characterise a cell, clarify its functions and track the progress of an illness. This sequencing is currently based on complex, costly instruments not readily available to researchers. Scipio bioscience has developed a revolutionary kit that provides similar data but is accessible to any scientist.

Carnot Brain Institute

Scientific / technological breakthrough

Scipio bioscience set up in Carnot Brain Institute facilities four years ago to develop its kit. Privileged access to a world-class genomics platform as well as close cooperation with researchers has enabled Scipio to bring a kit to market less than four years after theoretical conceptualisation and respond to the specific needs of scientists.

Thanks to ingenious use of hydrogel, researchers are able to extract and label all of the RNA from a sample of several thousand cells and assign it to each original cell after sequencing. The kit does not require any special training and may be used on any bench at any time, independently of the logistics of instruments shared on platforms.



Competitive advantage for the economic stakeholders

Despite recent progress, the most advanced technologies for preparing single-cell RNA sequencing (scRNA-seq) remain the preserve of a few – much too few! – specialists trained in the use of sophisticated equipment.

These experiments are still too complex and costly for biologists and clinicians, and their potential remains untapped by medical research.

The research community needs a flexible, easy-to-use and accessible kit, intuitive data analysis and a low-cost solution to tackle the big issues in current scientific research.

With a market estimated at $4.2 million in 2024, there is a real need for a revolutionary solution like this one in research and clinical labs.

Partnership

- **SCIPIO BIOSCIENCE,** is developing a new generation of single-cell resolution sequencing solutions to meet the rapidly-growing needs of clinical and basic research labs.

Contact

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