

Scale Biosciences Begins Shipping QuantumScale Single Cell RNA Kits Globally

Kits enable unparalleled experimental flexibility with a single workflow and costs below 1 cent per cell

SAN DIEGO, CALIF. – May 5, 2025 – <u>Scale Biosciences</u> (Scale Bio[™]), a leader in innovative and scalable single cell analysis solutions, today announced the global shipment of its new <u>QuantumScale Single Cell RNA</u> kits to academic and commercial customers. Available in four kit configurations plus a modular offering, these next-generation single cell kits can capture and process from 84,000 to 4 million cells without specialized partitioning instrumentation. Built on the company's proprietary Quantum Barcoding technology, the platform delivers the most cost-effective single cell solution on the market – on a per cell, sample, and experiment basis – through one simple, efficient workflow adaptable to any project scale or research vision.

Already deployed by customers across the United States, Europe, and Japan, the new kits are being utilized for diverse applications including transcriptomic profiling, drug response studies, and developmental biology research. QuantumScale technology is also powering large-scale single cell sequencing initiatives, including Scale Bio's "One Hundred Million Cell Challenge" – a groundbreaking research collaboration with Ultima Genomics, NVIDIA, the Chan Zuckerberg Initiative (CZI), and BioTuring – as well as CZI's "Billion Cell Initiative".

"We developed QuantumScale to democratize single cell omics, dramatically scaling up what's possible while making this technology accessible to scientists with virtually any budget, skill level, or scientific goal," said Giovanna Prout, President and CEO of Scale Bio. "The future of biomedical innovation depends on experiments with greater size and scope than were feasible with previous generations of single cell technology. With our unified workflow, Scale Bio is now enabling research that can answer scientific questions of unprecedented breadth and complexity."

The expanding opportunities to capture and understand biological diversity demand simple, low-cost tools for single cell RNA research. QuantumScale Single Cell RNA kits provide unmatched experimental flexibility, allowing laboratories to conduct everything from pilot projects to large-scale cohort studies, comprehensive drug screening programs, and foundation model development initiatives requiring multiple samples, conditions, and experimental parameters. The technology's key innovation lies in consolidating multiple levels of barcoding into a single plate, reducing hands-on time by 75% and enabling multiplexing of up to 9,216 samples per run through an efficient 1.5-day workflow.

"The future of single cell-omics hinges on the ability to analyze more cells and more samples than conventional tools could ever process cost-effectively or time-efficiently," said Dylan Moojiman, Head of R&D at Single Cell Discoveries (SCD). "This unprecedented throughput of 4 million cells, combined with a dramatically shorter run time, will enable SCD to help clients with a different scope of projects. Scale Bio's Quantum Barcoding chemistry is truly revolutionary, and when combined with their scalable and mature data pipeline, it represents a novel and efficient way of doing single cell sequencing."

"QuantumScale enables researchers to generate single cell datasets at scales and speeds previously unimaginable," said Robert Sebra, CEO and Co-Founder at Panacent Bio. "When enriched by Panacent Bio's foundational models trained on hundreds of millions of diverse cells, this data reveals entirely new dimensions of biological information. The combination accelerates the discovery of novel cellular signatures, uncovers hidden patterns in complex tissues, and unlocks critical biological insights that would otherwise remain invisible – all while dramatically reducing time-to-discovery compared to conventional approaches."

QuantumScale Single Cell RNA kits are now shipping globally. Visit the <u>QuantumScale</u> <u>Single Cell RNA kit</u> product page to learn more.

About Scale Biosciences

At Scale Bio, we are committed to accelerating scientific breakthroughs by providing innovative single cell omics solutions that redefine accessibility, flexibility, and scalability, empowering researchers to unlock the full potential of single cell omics. Leveraging our core massively parallelized single cell barcoding technology, we offer a range of advanced workflow solutions that maximize insights delivered with every experiment and sample type, allowing scientists to generate more data, analyze more samples, and explore more omics, cost efficiently and with unprecedented ease. Founded by scientists and technologists with experience across a range of multiomics disciplines, Scale Bio has attracted financing from leading life sciences tools investors including ARCH Venture Partners, BNG01 and Tao Capital. Scale Bio is headquartered in San Diego, Calif. Visit scale.bio to learn more.

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