

Technology Offer

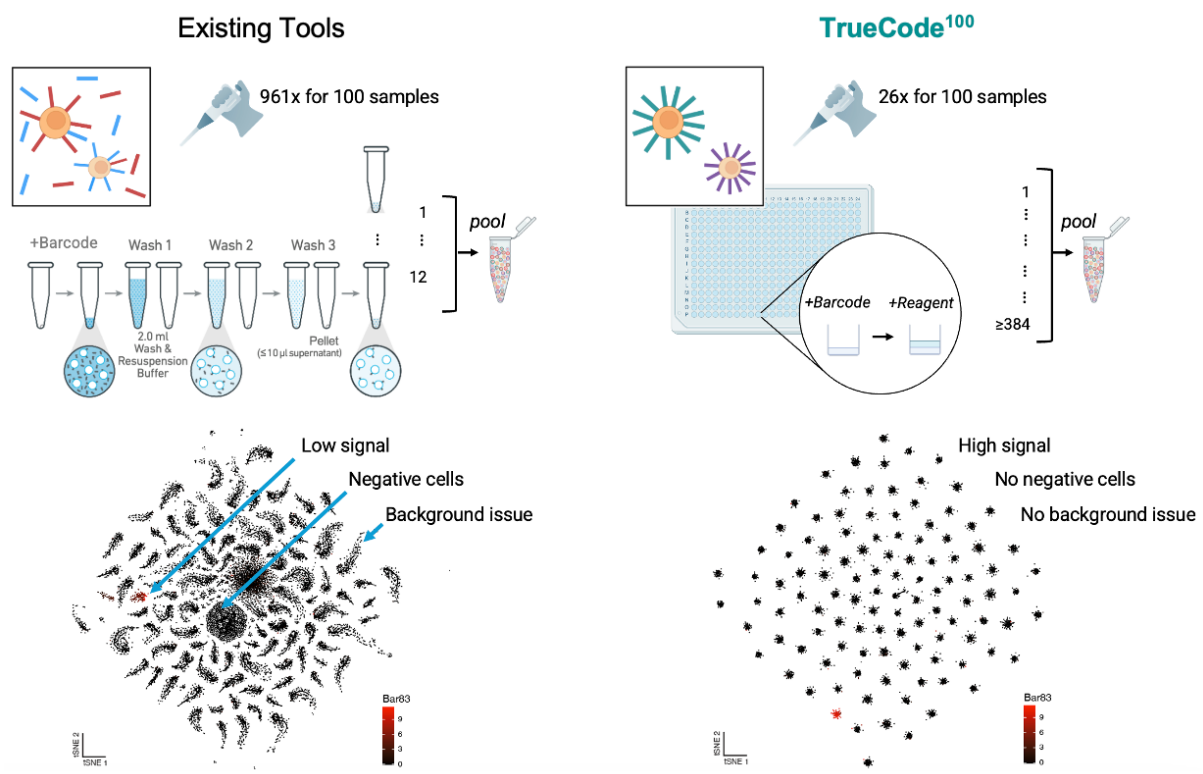
TrueCode¹⁰⁰

Barcoding Reinvented for Throughput and Trust in scRNA-seq Sample Multiplexing

Ref.-No.: 0301-7055-LI

TrueCode¹⁰⁰ is a breakthrough barcoding solution that overcomes a central limitation in scRNA-seq: the lack of scalable, reliable, and easy-to-use tools for multiplexing many biological samples in a single experiment. Developed by scientists from MPG, BIH and UCSF, the **proprietary lipid-DNA barcodes** bind to cell membranes with unmatched efficiency and stability, **eliminating the need for sample washing** and reducing hands-on time by over 30-fold—while delivering ultra-precise results.

Unlike existing tools, which are limited to 12 samples, prone to inconsistent data quality, and require complex workflows, TrueCode¹⁰⁰ supports **robust multiplexing of many hundreds of samples**. This leap in reliability and ease of use unlocks applications like high-throughput drug screens and profiling of low-input samples. **Compatible with leading scRNA-seq platforms**, TrueCode¹⁰⁰ does not just improve existing workflows—it enables new study designs and expands the market for single-cell analysis across academic, translational, and pharmaceutical research.



TrueCode¹⁰⁰ barcodes bind with unmatched efficiency and specificity to cell membranes (boxes), removing the need for washing individual samples, which simplifies workflows and unlocks a wide range of applications (top). They are compatible with major scRNA-seq platforms and provide accurate multiplexing data (bottom; tight cell positioning in 2D visualizations based on barcode reads).



Patent Information

A priority patent application has been filed on 10/14/2021.

Opportunity

Licenses to the technology are available from Max Planck Innovation. The lead inventor is available for a meeting and presentation of a non-confidential pitch deck.

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