Over the last couple of decades, researchers have identified key differences between diseased and normal cellular tissue samples. Much of that work was done by looking at gross differences using bulk biopsied samples. However, recent discoveries have revealed many samples are comprised of multiple types of specialized cells that express different messages depending on their roles. Single-cell expression analysis provides new insights into how these groups of cells contribute to observed disease processes. The inDrop™ System is the only scRNA-Seq platform that provides enhanced experimental control, more actionable information and a lower overall cost per result compared to other existing platforms. Scientists can now conduct more studies looking at more cells to gain more insights.

**Diverse Applications**
- Cancer: Tumor profiling
- Immunobiology: B-cell and T-cell receptor analysis
- Drug Discovery: Identification and validation of new drug targets
- Stem Cell: Cell-to-cell variation identification
- Developmental Biology: Cell lineage tracing

**Key Advantages**
- Industry’s Highest Encapsulation Rates: >90% with low doublet
- More Actionable Info: Rare cell subpopulations and low abundant, bias-free transcripts
- Versatile Input Requirements: Diverse cell types, sizes and quantities
- Low Overall Cost Per Result: As low as 5¢ per cell

**System Highlights**
- Thousands of cells captured per run
- Encapsulation independent of cell size
- Kits include 500,000 barcoded gel beads, microfluidic chips and reagents
- Barcode up to 40,000 cells per kit and 4 samples per chip
- Fully integrated instrument and camera control software

**System Specifications**
- Electrical: 110/220V @ 15 A
- Dimensions: 70 cm (D) x 54 cm (W) x 44 cm (H)
- Weight: 15 kg

**Streamlined Workflow**

1. **Step 1**  
   Sample Prep  
   Prepare cell suspension

2. **Step 2**  
   inDrop Run  
   Encapsulate cells and generate cDNA

3. **Step 3**  
   Sequencing  
   Build library and sequence

4. **Step 4**  
   Analysis  
   Analyze single cell transcriptional data

1cell-bio.com
Ordering Information

Products can be ordered online using the 1CellBio e-commerce site. Visit 1cell-bio.com/shop.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>North America</th>
<th>Europe</th>
<th>Asia Pacific</th>
</tr>
</thead>
<tbody>
<tr>
<td>inDrop™ System</td>
<td>The inDrop™ System allows high-throughput, high-resolution RNA sequencing from single cells. The microfluidic system co-encapsulates each cell with the company's hydrogel beads to enable isolated synthesis of barcoded cDNA. 1-year warranty for parts and labor.</td>
<td>10256-01</td>
<td>20256-01</td>
<td>30256-01</td>
</tr>
<tr>
<td>inDrop™ Single Cell RNA</td>
<td>500,000 barcode labeled hydrogel beads, microfluidic chips, tubing, lysis buffer, and PCR primers for processing up to 6 samples or 40,000 cells.</td>
<td>10196</td>
<td>20196</td>
<td>30196</td>
</tr>
<tr>
<td>Seq Kit</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Barcoded Hydrogel Beads</td>
<td>500,000 barcode labeled hydrogel beads.</td>
<td>10070</td>
<td>20070</td>
<td>30070</td>
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<tr>
<td>Microfluidic Chip</td>
<td>4 microfluidic devices per chip.</td>
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<td>20080</td>
<td>30080</td>
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<tr>
<td>inDrop™ Training Kit</td>
<td>1,000,000 hydrogel beads without barcode labels, microfluidic chips, tubing, and additional supplies to perform bead-cell co-encapsulation.</td>
<td>10296</td>
<td>20296</td>
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<tr>
<td>Non-Barcoded Hydrogel Beads</td>
<td>1,000,000 hydrogel beads without barcode labels.</td>
<td>10075</td>
<td>20075</td>
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About 1CellBio

1CellBio Inc. is a leading single-cell analysis company serving the biomedical research community. The company’s flagship inDrop™ System, a high-resolution, single-cell transcriptomics platform, delivers greater experimental control, more rare actionable information and lower overall cost per result compared to all other existing platforms. Research laboratories around the world are now adopting the platform for a wide range of single-cell applications from tumor profiling to stem cells to embryo development to the identification and validation of new drug targets. Based in Cambridge, Massachusetts, the company supports its growing number of customers through a team of international sales and field application scientists. Learn more at www.1cell-bio.com.

Contact Us

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