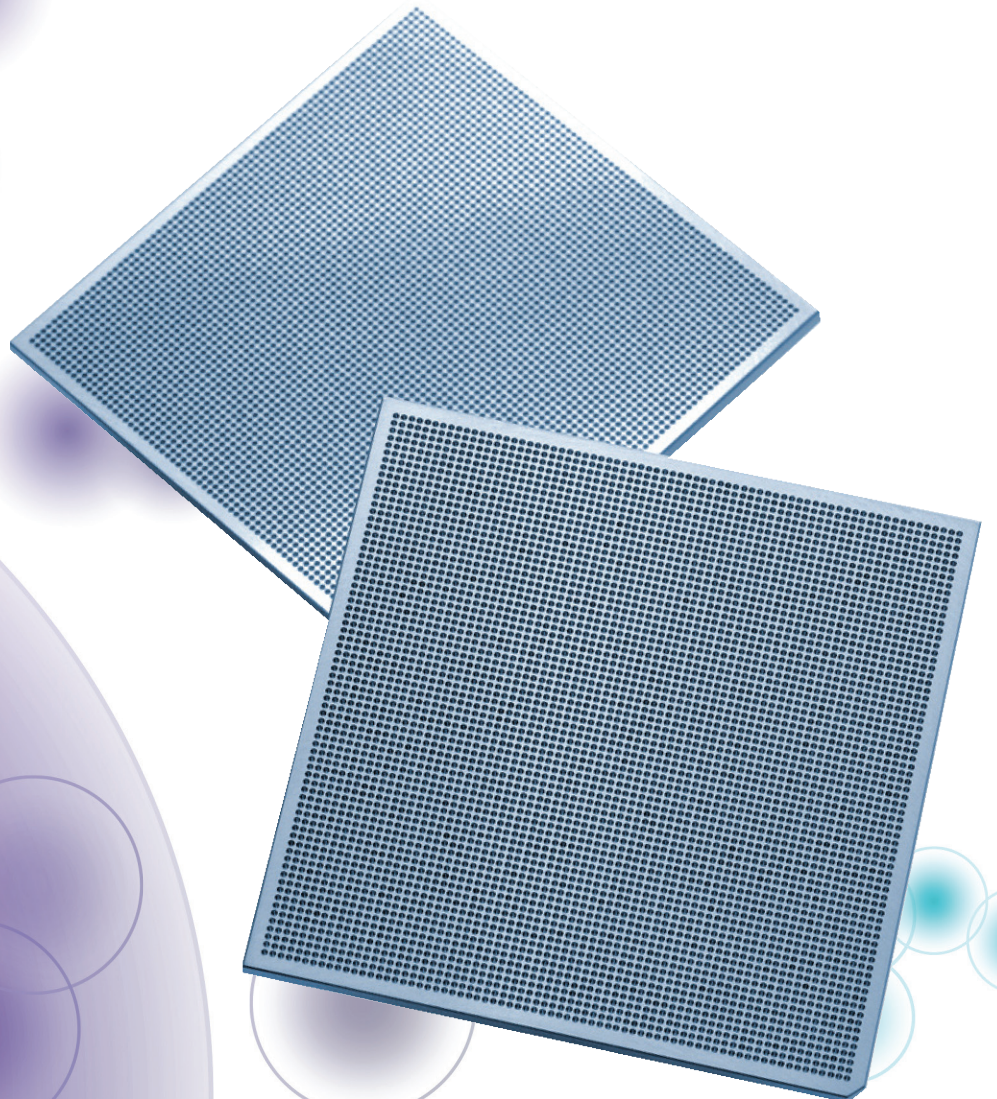# WAFERGEN
BIOSYSTEMS

ICELL8™ SINGLE-CELL SYSTEM
SEE MORE. DISCOVER MORE.

EXPAND YOUR SINGLE-CELL DISCOVERIES

CELLULAR HETEROGENEITY CAN OBSCURE THE VITAL ACTIONS OF INDIVIDUAL CELLS. SINGLE-CELL ANALYSIS IS THE FASTEST AND EASIEST METHOD TO ACCURATELY STUDY COMPLEX SAMPLES.

THE ICELL8 SINGLE-CELL SYSTEM HAS BEEN ENGINEERED TO DRAMATICALLY INCREASE THE PACE OF BIOLOGICAL DISCOVERY.

WITH UNPARALLELED CELL ISOLATION, CELL SELECTION, AND SAMPLE THROUGHPUT, YOU NOW HAVE CONTROL OF YOUR SINGLE-CELL ANALYSIS; GETTING YOU THE RESULTS YOU NEED TO FURTHER YOUR RESEARCH.

SEE MORE. DISCOVER MORE.

POWER
- Isolate thousands of single cells
- Maximize throughput with rapid dispensing and imaging
- Analyze cells of any size with unbiased cell isolation
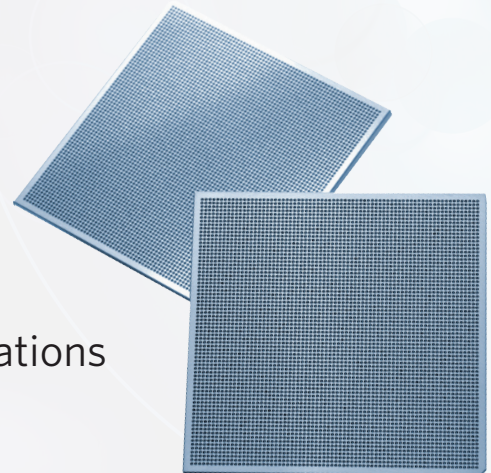
CONTROL
- Choose specific cells to process using advanced imaging software
- Maximize experimental efficiency by analyzing only cells of interest

INSIGHT
- Evaluate up to 8 sample types or conditions on each chip
- Experimental flexibility supports your research

REVOLUTIONARY NEW SINGLE-CELL PLATFORM

1. Isolate up-to 1,800 cells per chip

2. Evaluate cells from 5-100 µm per sample

3. Select specific cells for downstream applications
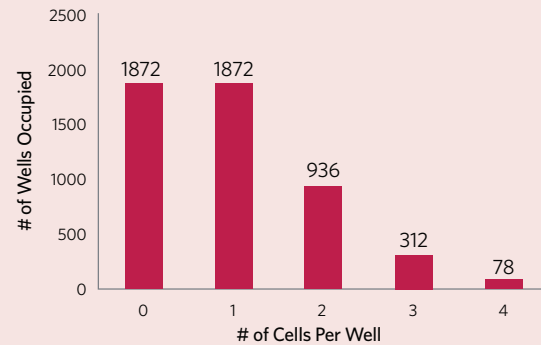
4. Discover unique populations of cells

GUIDED PATH FOR DISCOVERY

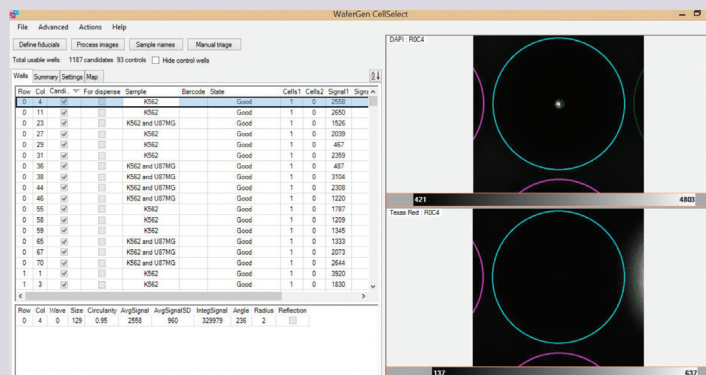**1** STAIN CELLS

2 DISPENSE CELLS

Poisson Distribution

3 IMAGE CHIPS

4 SELECT CELLS

5 PROCESS CELLS
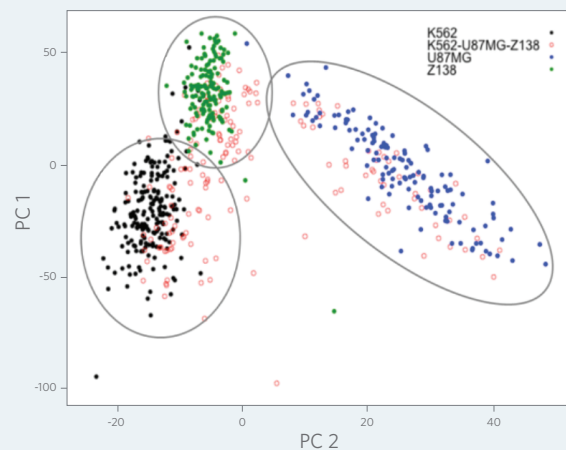
CellSelect™ Software

6 SEQUENCE CELLS

7 REVIEW DATA

8 DISCOVER

Cell Population Stratification

DYNAMIC DISCOVERY SYSTEM

ICELL8 Chips and Reagents
- 5,184 nano-well chip with pre-printed barcodes
- Specially formulated diluent for enhanced cell viability and dispersal

MultiSample NanoDispenser
- 8-sample dispenser design
- Reliably isolates cells from 5- 100 µm
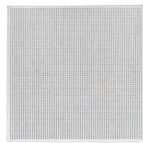- Humidity controlled for improved viability

Imaging Station
- Rapid scanning stage and optics
- Simple chip loading and set-up
- Automated multi-channel image detection

CellSelect Software
- Automated robust cell detection
- Enhanced visualization tools for cell evaluation
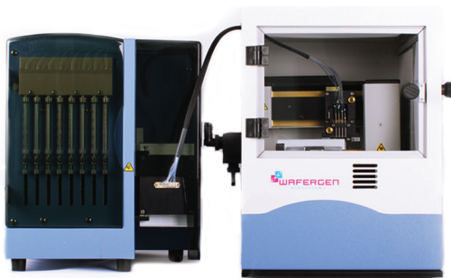- User driven cell selection capability
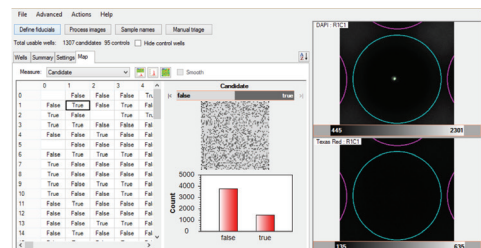
ICELL8 SINGLE-CELL SYSTEM
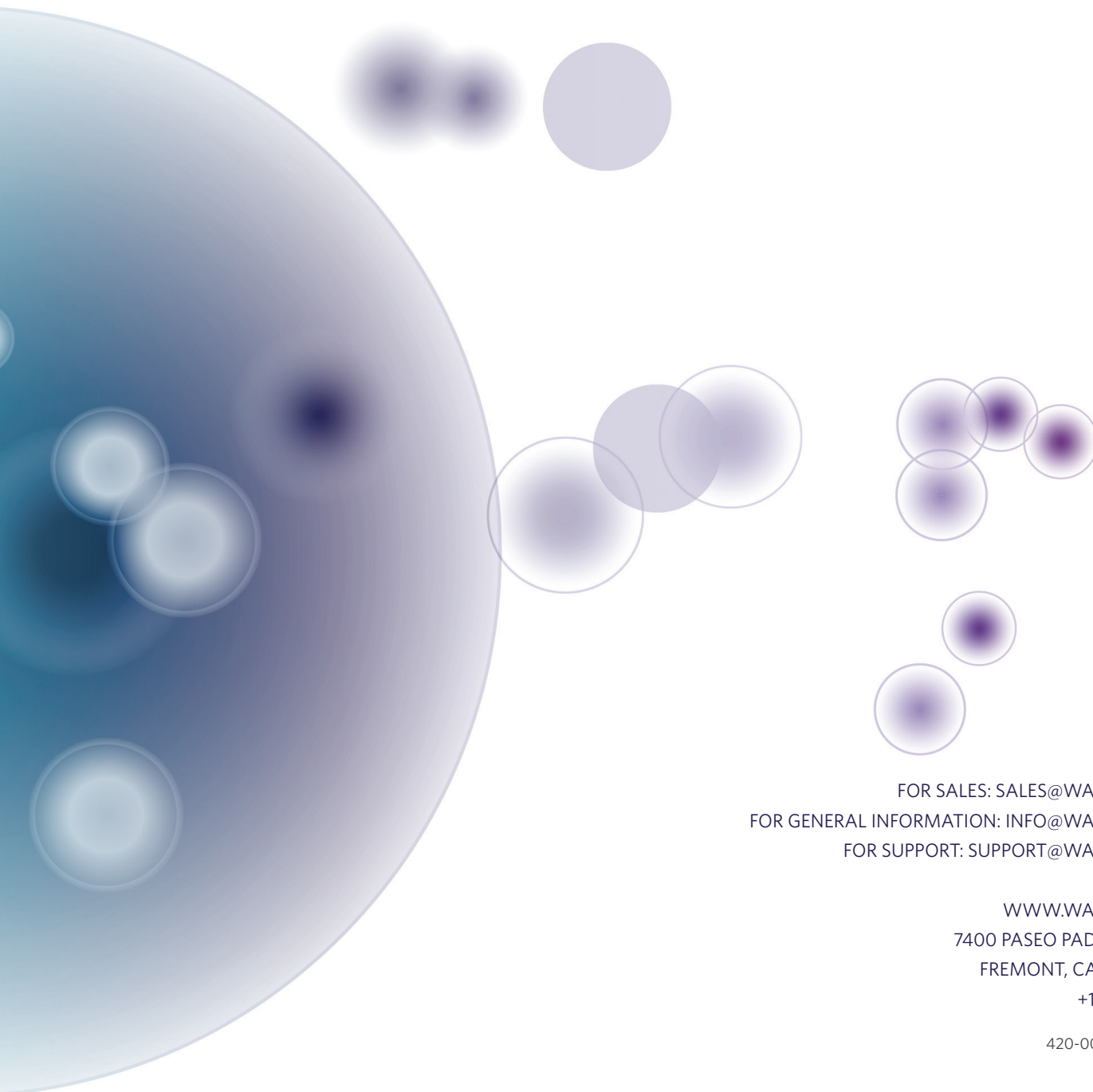

ICELL8 Chips and Reagents

Imaging Station

MultiSample NanoDispenser

CellSelect Software

WAFERGEN BIOSYSTEMS

INNOVATIVE SINGLE-CELL ANALYSIS AND CLINICAL RESEARCH SOLUTIONS