

## ICELL8® 250v Chip

**Catalog No.**  
640183

**Amount**  
1 chip

**Lot Number**  
Specified on product label.

### Description

The ICELL8 250v Chip enables users to test cell dispensing and imaging on the ICELL8 Single-Cell Systems. All wells in the 5,184-nanowell chip are blank/unprinted, measure 1.6 mm in depth, and hold a maximum working volume of 250 nl. Cells of choice are diluted following the appropriate assay-specific User Manual (see Product Documents) and dispensed and/or imaged on an ICELL8 platform. CellSelect® Software is used to image and detect single-cell-bearing wells.

### Package Contents

- 1 x ICELL8 250v Chip Blank

### Storage Conditions

- Store at room temperature.

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Room temperature

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

### Quality Control Data

**Each chip is tested in three ways to ensure appropriate imaging quality performance:**

1. **Flatness:** Each chip is placed on a custom vacuum holder and exposed to vacuum on the back side of the chip. The measured vacuum should be  $\geq 18$  in Hg. This ensures the chip sits flush within the ICELL8 Single-Cell System dispensing and imaging surfaces.
2. **Dimensionality:** Each chip is placed on an optical metrology tool (Keyence IM Series IM-6225) and several critical dimensions are measured and compared to specification.
3. **Visual Inspections:** Each chip is inspected to ensure no fluorescent defects are present in the wells or on the surface of the chip which may be misidentified as cells during cell dispensing and imaging. The chip is placed on the ICELL8 Imaging Station and 1,440 wells are interrogated in the Hoechst channel. The number of identified defects should be less than 30.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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#### Takara Bio USA, Inc.

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### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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