

Product Components List

Shasta™ Single Cell System

Catalog No.
640282

Amount
Each

Description

The Shasta Single Cell System is an advanced, integrated automation platform that combines the power of imaging and dispensing with the isolation of single cells in 5,184-nanowell chips. The Shasta system employs multiple large-bore nozzles for unbiased cell size isolation within an enclosed, humidity-regulated environment to minimize media evaporation and cross-contamination. Temperature control of the nanowell chip minimizes sample loss. With the use of fluorescence and cellular dyes, the built-in imaging station and integrated Shasta CellSelect® Software can be used for live/dead analysis, differentiation of single cells from multiple cells, and provides the ability to proceed only with chosen wells, eliminating the noise from multiple-cell-containing wells or empty wells. The full system also includes the Single-Cell Thermal Cycler to perform PCR as part of the application.

This open-platform, high-throughput single-cell automation system is prevalidated for use with several of our NGS applications but also provides the flexibility for users to develop applications of their choice.

Package Contents:

- 1 x Shasta Single Cell Crate Components (Cat. No. 640284) [>>View Components](#)
- 5 x Single-Cell Loading Kit (Cat. No. 640206) [>>View Components](#)
- 5 x Single-Cell Collection Kit (Cat. No. 640212) [>>View Components](#)
- 1 x Nanodispenser 384-Well Source Plate and Seal (Cat. No. 640018) [>>View Components](#)
- 1 x Second Diluent 100X (Cat. No. 640016) [>>View Components](#)
- 3 x Single-Cell 250f Chip (Cat. No. 640193) [>>View Components](#)
- 2 x Single-Cell 350v Chip (Cat. No. 640019) [>>View Components](#)
- 1 x SMART-Seq® Pro Reagent Kit (Cat. No. 640259) [>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Shasta Single Cell System User Manual
- Shasta CellSelect Software User Manual

Notice to Purchaser

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This document has been reviewed and approved by the Quality Department.

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