

SINGLE-CELL ISOLATION

Highly efficient single-cell picking and isolation into tubes and microtiter plates with documented proof of cell picking



Automated single-cell isolation

Single-cell cloning

Co-culture systems

NGS/scWGA

CTCs



GENE EDITING



IPSCS

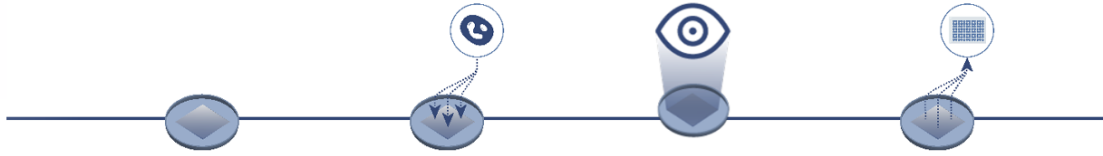


CELL-LINE DEVELOPMENT



REPORTER CELL LINES

Streamlined automation for single-cell isolation



PREPARE
GRID



SINGLE-CELL
PLATING



SINGLE-CELL
SELECTION



SINGLE-CELL
PICKING

Increased
throughput



Reduced
hands-on
time



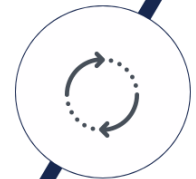
Image-based
documentation



Scalable
platform



Consistent
workflows

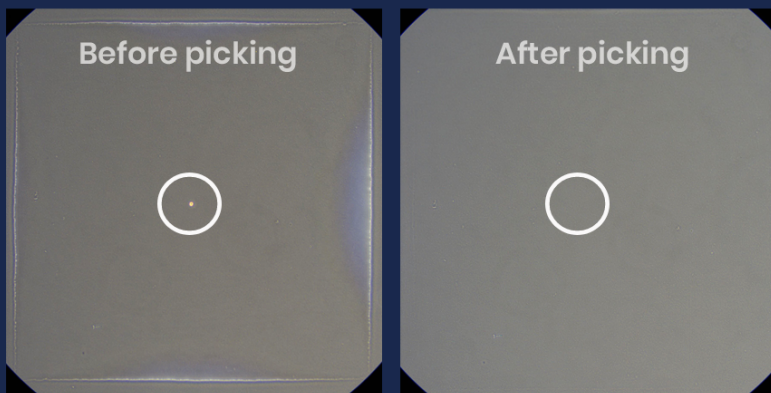


**Proof of single-cell isolation via
whole-chamber imaging**

Single-cell isolation with image-based documentation

EFFICIENT SINGLE-CELL PICKING with IMAGE BASED VERIFICATION

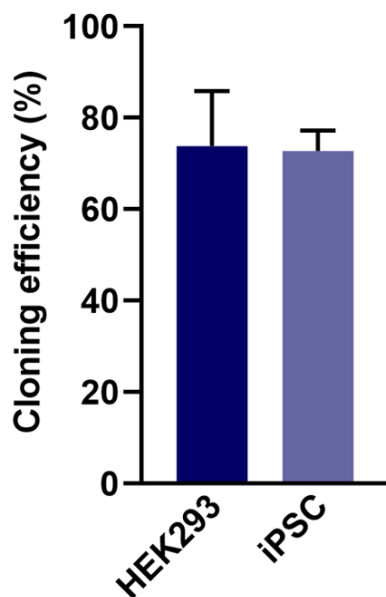
GRIDs - optically clear chambers ideally suited for single-cell identification and picking



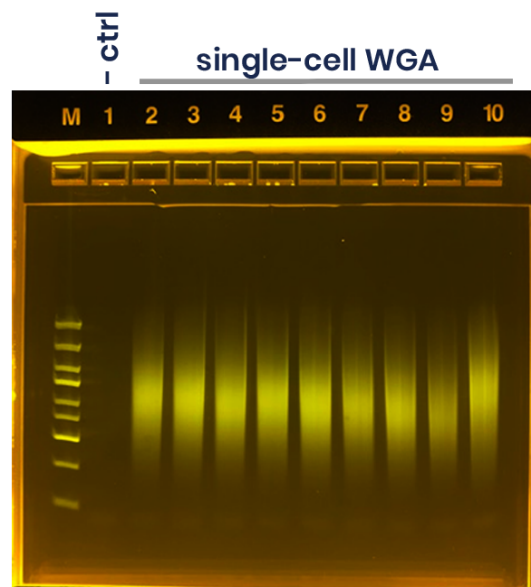
Whole GRID-chamber image before and after picking a single cell

Features	GRID-chambers
Physically separated cell environments	✓
Scalable	✓
High cell viability	✓
Single cells visible at edges	✓
Single cells visible directly after plating	✓
Low reagent consumption	✓

Gentle single-cell picking and direct transfer to 96-well microtiter plates ensures high cell viability downstream



Highly efficient single-cell picking and direct transfer into PCR tubes for successful whole genome amplification



Compatible with various downstream applications

TECHNOLOGY

Single-cell isolation made easy

The single-cell picking platform combines microfluidic liquid-handling with intelligent microscopy to deliver an efficient solution for single-cell isolation. The system streamlines the complete workflow for convenient isolation, selection and picking of single cells. Efficient single-cell isolation & gentle transfer directly into polystyrene tubes or 96-well microtiter plates, ensures easy and flexible integration into various downstream applications.

KEY FEATURES

Efficient – gentle – flexible

- Highly efficient single-cell picking of up to 100%
- Cooling for delicate samples and reagents
- Transfer of single cells into various volumes
- Direct transfer of single cells into tubes or microtiter plates
- Most compact cell picker on the market

CONTACT US

Have any questions?

+44 1865 309630

info@iotasciences.com

www.iotasciences.com

iotaSciences

Begbroke Science Park

Begbroke Hill

Begbroke

Oxford

OX5 1PF

IOTA-BROCH-0099 v1.0

