

isoCell

Single-cell cloning made easy

The one size fits all
solution for single-cell
cloning

Easy verification of
monoclonality

3-in-1 automation
Isolate - Feed - Harvest



www.iotasciences.com

iotaSciences
shaping fluids

Ver 1.0

EASILY VERIFIABLE MONOCLONALITY

GRIDs – optically clear chambers with $< 1 \mu\text{L}$

Single cells are plated onto a GRID which consists of 256 chambers. The chambers' optical clarity and small size empowers users to verify monoclonality on any microscope.

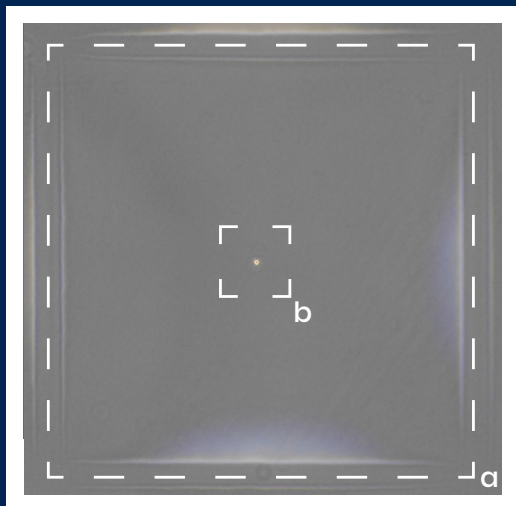


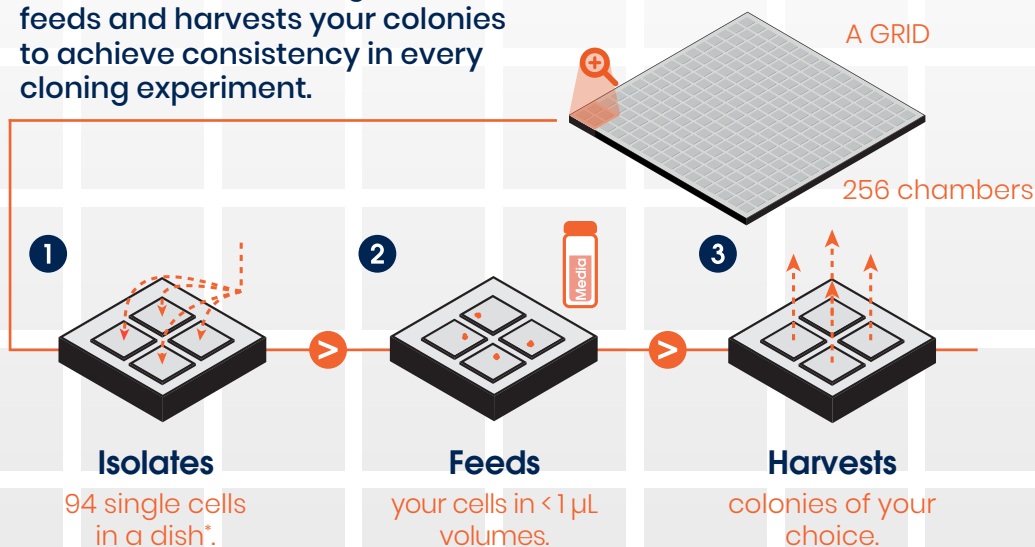
Image of chamber

(a) Optically clear chambers enable users to identify single cells (b) immediately after plating using a 4x objective – no labelling required.

AUTOMATED CLONING IN SMALL VOLUMES

3-in-1 automation - isolate, feed and harvest

The isoCell isolates single cells, feeds and harvests your colonies to achieve consistency in every cloning experiment.



*Out of 256, limited by Poisson Distribution

SINGLE-CELL CLONING MADE EASY

isoCell: The one size fits all solution that empowers you to verify monoclonality.

- Easily fits into any laminar flow hood
- Consistent workflow in a standalone unit
- Nanolitre fluid handling systems

Easy to use

Integrated touch screen.

Gentle dispensing

Low pressure and shear stress.

GRID technology

256 chambers in a 6 cm dish.

Compact system

Small footprint and lightweight



320 mm / 12.6 "

190 mm / 7.5 "



**Gene-editing
/ CRISPR**



**iPSCs & Cell-line
development**

CONSUMABLES

isoCell cloning kit

Consumable packs (FC40^{STAR} + plastics)
suitable for 18 rounds of cloning.



SUPPORT

Helping you succeed

Ensure your success with
technical support from
our experts in single-cell
cloning.



CONTACT US

Have any questions?

+44 1865 309630

info@iotasciences.com

www.iotasciences.com

iotaSciences

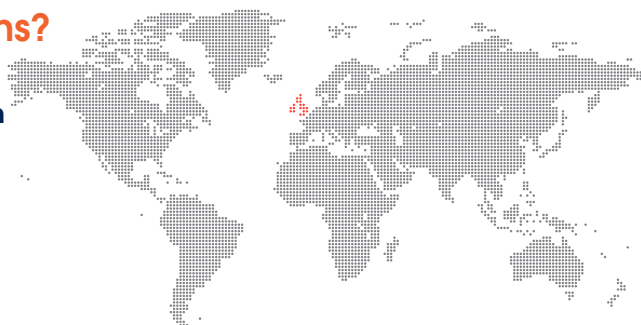
Begbroke Science Park

Begbroke Hill

Begbroke

Oxford

OX5 1PF



iotaSciences
shaping fluids