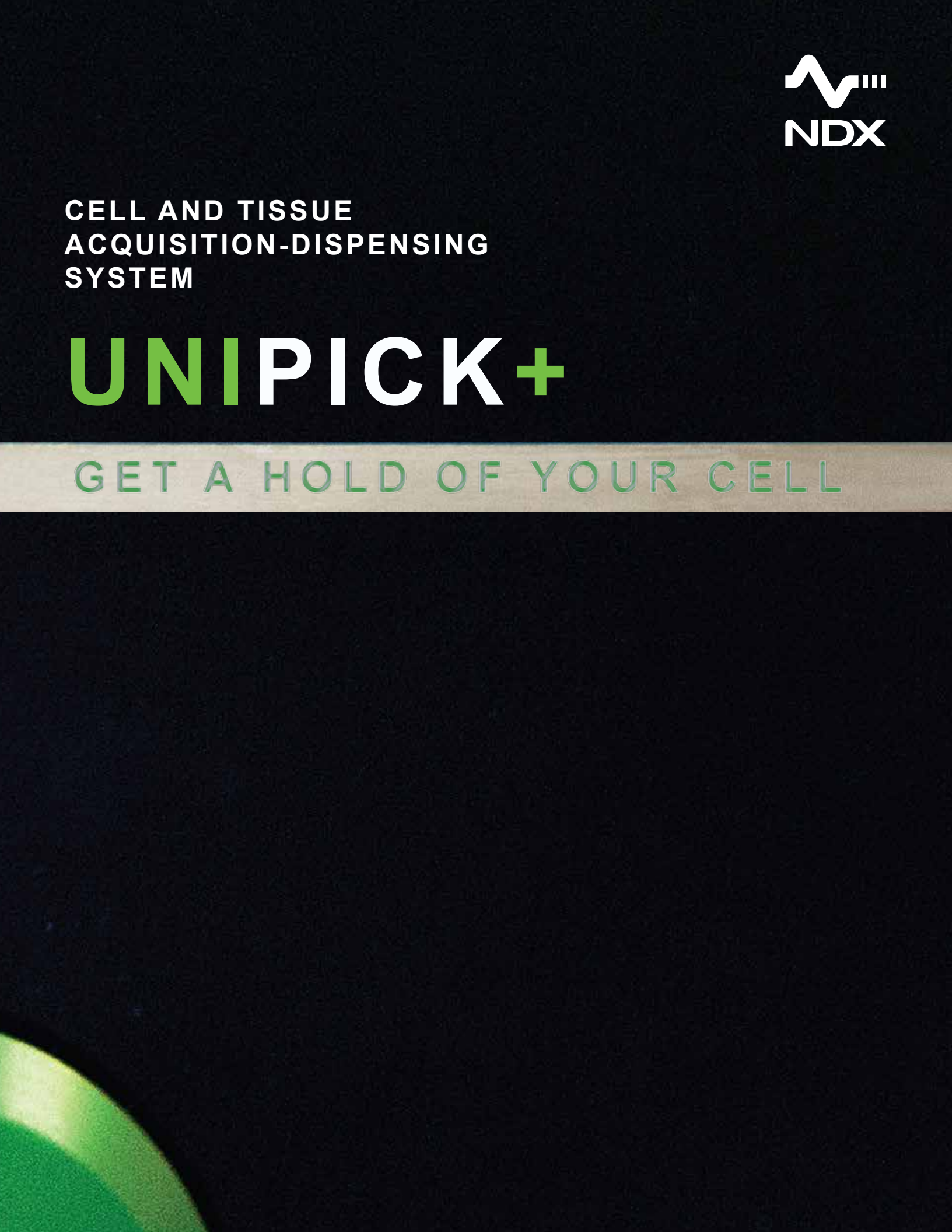
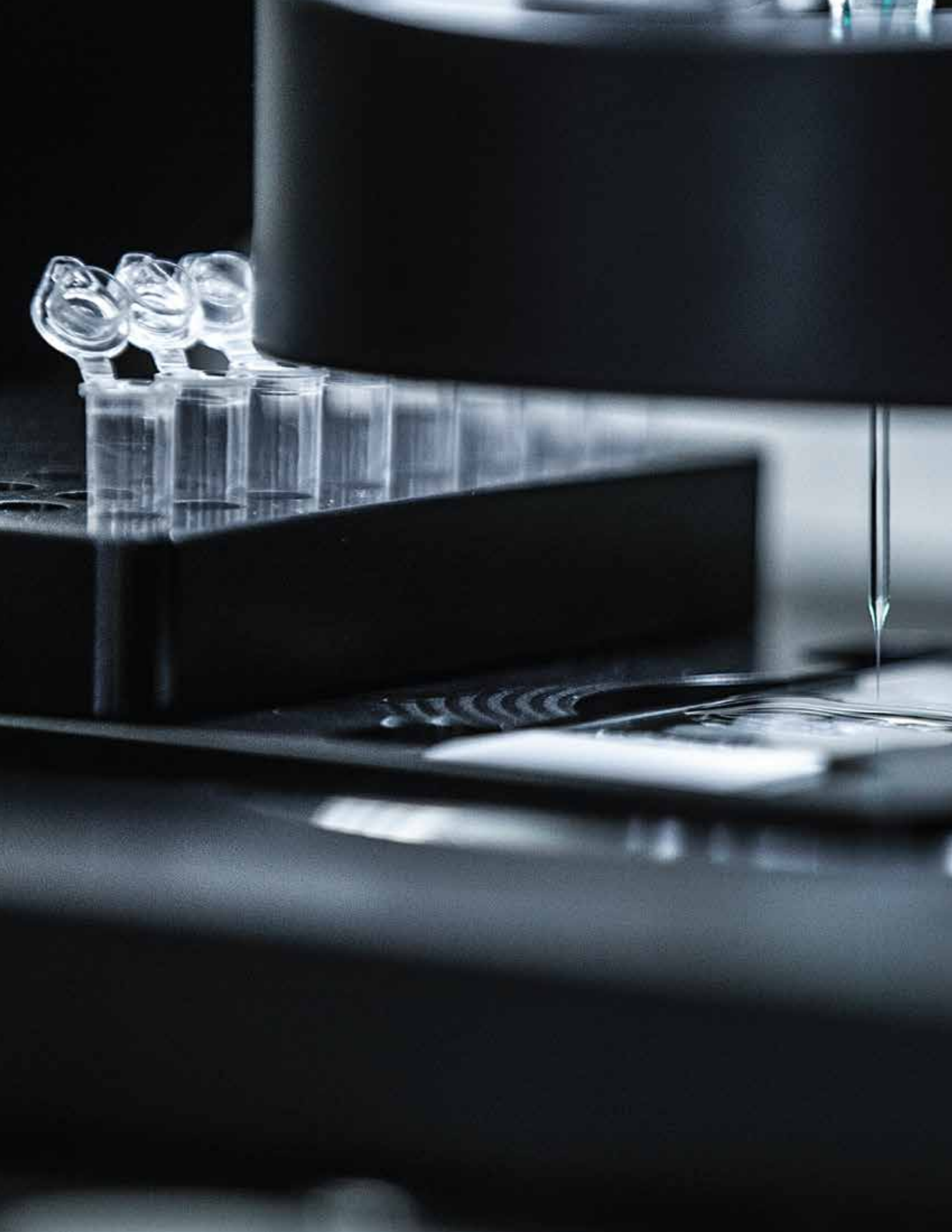
NDX

CELL AND TISSUE
ACQUISITION-DISPENSING
SYSTEM

UNIPICK+

GET A HOLD OF YOUR CELL






The instrument that
fits any microscope,
collects any cells,
and dissects any tissue
for any downstream
application

FEATURES

Compatibility with a wide range of inverted microscopes

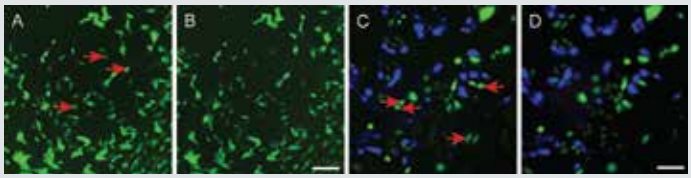
Full digital control

One button intuitive calibration

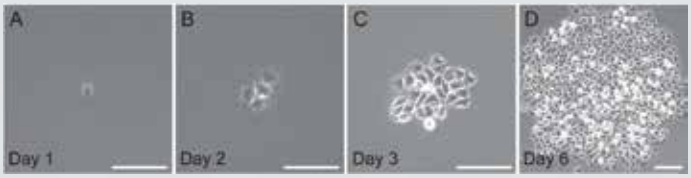
Collection and deposition of up to 48 samples

APPLICATIONS

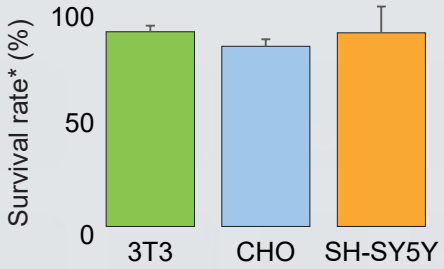
Collection and clonal expansion of single cells from adherent cultures



Collection of individual SH-SY5Y (A,B) and CHO (C,D) cells

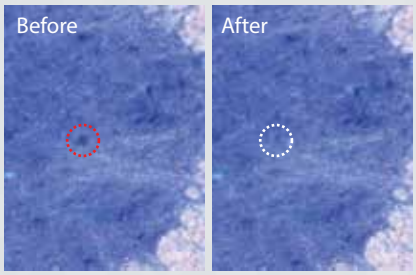


Clonal expansion of single CHO cell

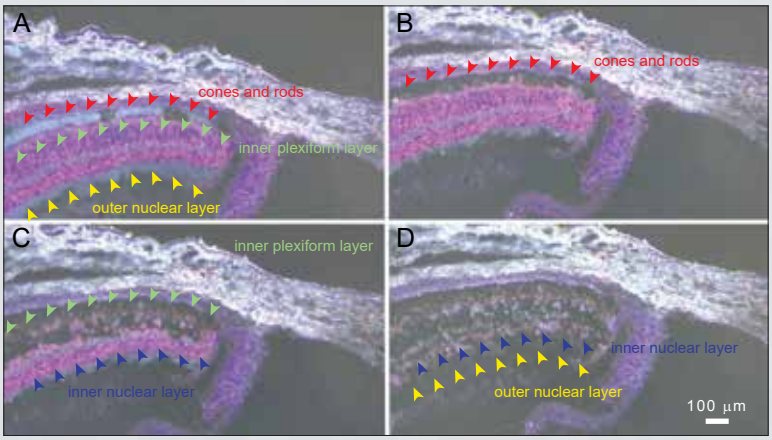


Viability of collected single cells shown as the percentage of survival rates in dilution control experiments.

Single cell collection and microdissection of native and untreated tissues

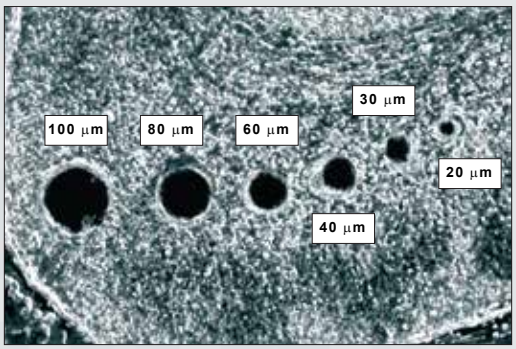


Representative collection of a single motor neuron from adult mouse spinal cord. Tissue thickness = 20 µm



Representative microdissecion of fresh frozen adult mouse retina. Tissue thickness = 12 µm

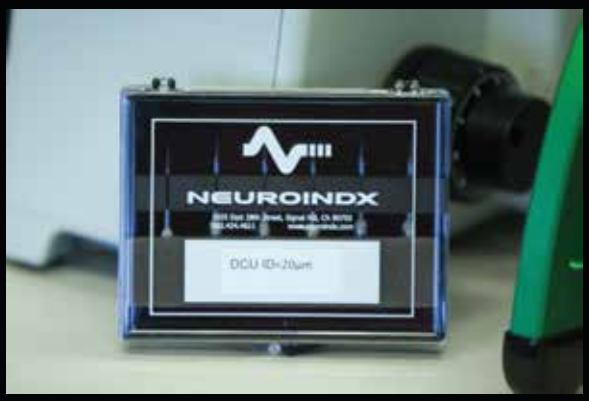
Collection of regions of interest (ROIs) from fixed (archived) tissues



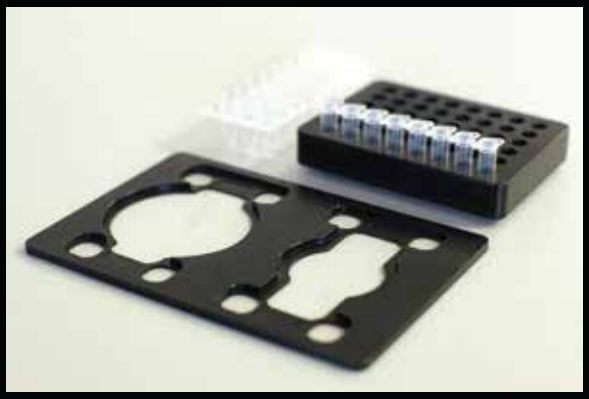
Representative collection of various regions of interest from PFA fixed mouse brain tissue. Tissue thickness = 12 µm

ACCESSORIES

UNIVERSAL STRADDLE permits pairing **UNIPICK+** with nearly any inverted microscope from single cell culture to more advanced systems for unmatched flexibility in laboratory work



DISPOSABLE-CAPILLARY UNITS (DCUs) are ready to use and range in diameter between 10 to 100 µm to ensure desired resolution for the collection of single cells from cultures to microdissection of subanatomical regions from tissue sections



UNIVERSAL STAGE ADAPTER allows for collection and deposition of samples in multiple configurations - from slide to slide, plate to plate, slide to plate, slide or plate to PCR tubes, 8-tube strips or a 48-well plate

SPECIFICATIONS

Interface	Digital
Max Pressure	5 PSI
Max Vacuum	10 PSI
Impulse Duration	0.1 to 1.0 sec
Sample compatibility	Adherent cells, suspended cells, 3D cultures, native, fresh frozen, sucrose treated and fixed tissues
Resolution	Single cell for cultures and 20 μm ID for tissue sections
Viability of Collected Cells	up to 95%*
Available DCU IDs	10 to 100 μm
Travel Step	1.5 μm
Specimen Holder	25 mm slides, 35 mm ans 50 mm Petri dishes, 48 PCR tube holder
Deposition Capacity	up to 48 samples
Acquisition Volume**	DCU20 μm - 10 nl to 2.5 μl DCU30 μm - 35 nl to 3.0 μl DCU40 μm - 70 nl to 5.0 μl
Collection Speed	Tissue sections - up to 12 cells/minute Cell culures - up to 25 cells/minute
Microscope compatibility	a wide range of inverted microscopes (please, consult NDX representative)

** - estimated with 3T3, CHO and SH-SY5Y cell lines; ** - calculated for standard DMEM media. Acquisition volume may depend on the DCU ID and sample viscosity; *** - estimated collection speed is given as a reference and may be user/application dependent*

NeuroInDx, Inc.
20725 S WESTERN AVE STE 100
TORRANCE, CA 90501-1885

SAFETY INFORMATION

Please read the instruction manual carefully in order to safely operate or handle any NeuroInDx product

Copyright (c) 2016 NeuroInDx, Inc. All rights reserved. NeuroInDx, NeuroInDx logo, UnipicK+ are trademarks of NeuroInDx, Inc. in the U.S. and/or other countries. Trademarks belonging to third parties are the properties of their respective owners. The manufacture, use and/or sale of NeuroInDx, Inc. product(s) may be subject to one or more patents or pending patent applications owned by NeuroInDx, Inc. or licensed to NeuroInDx, Inc. from the third parties. Printed in the USA.

For Research Use Only. Not for use in diagnostic procedures.

CONTACT US

www.neuroindx.com • info@neuroindx.com • Tel: 1 424 731 7512 • Fax: 1 424 731 7514