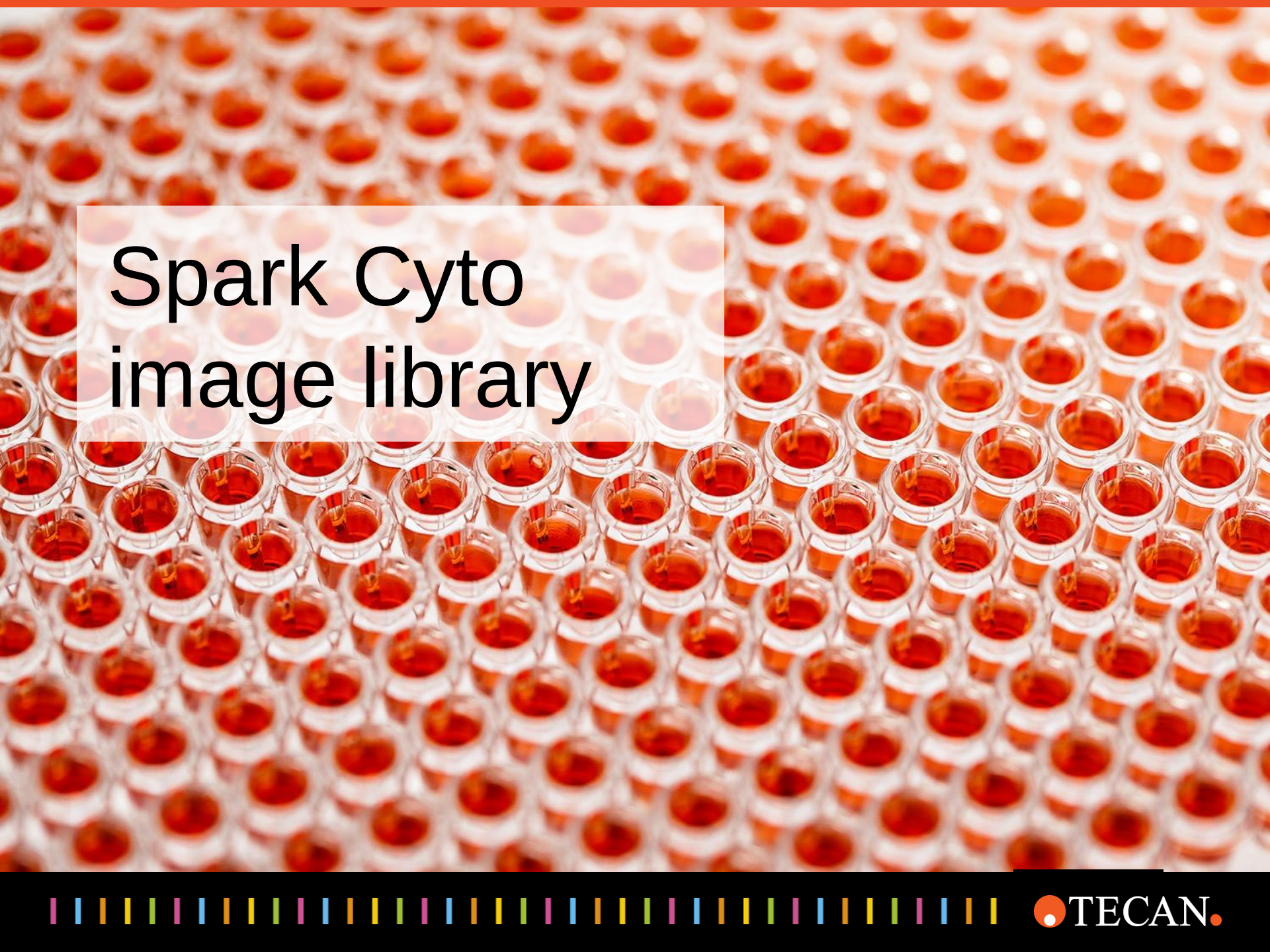




●TECAN.●





Spark Cyto image library



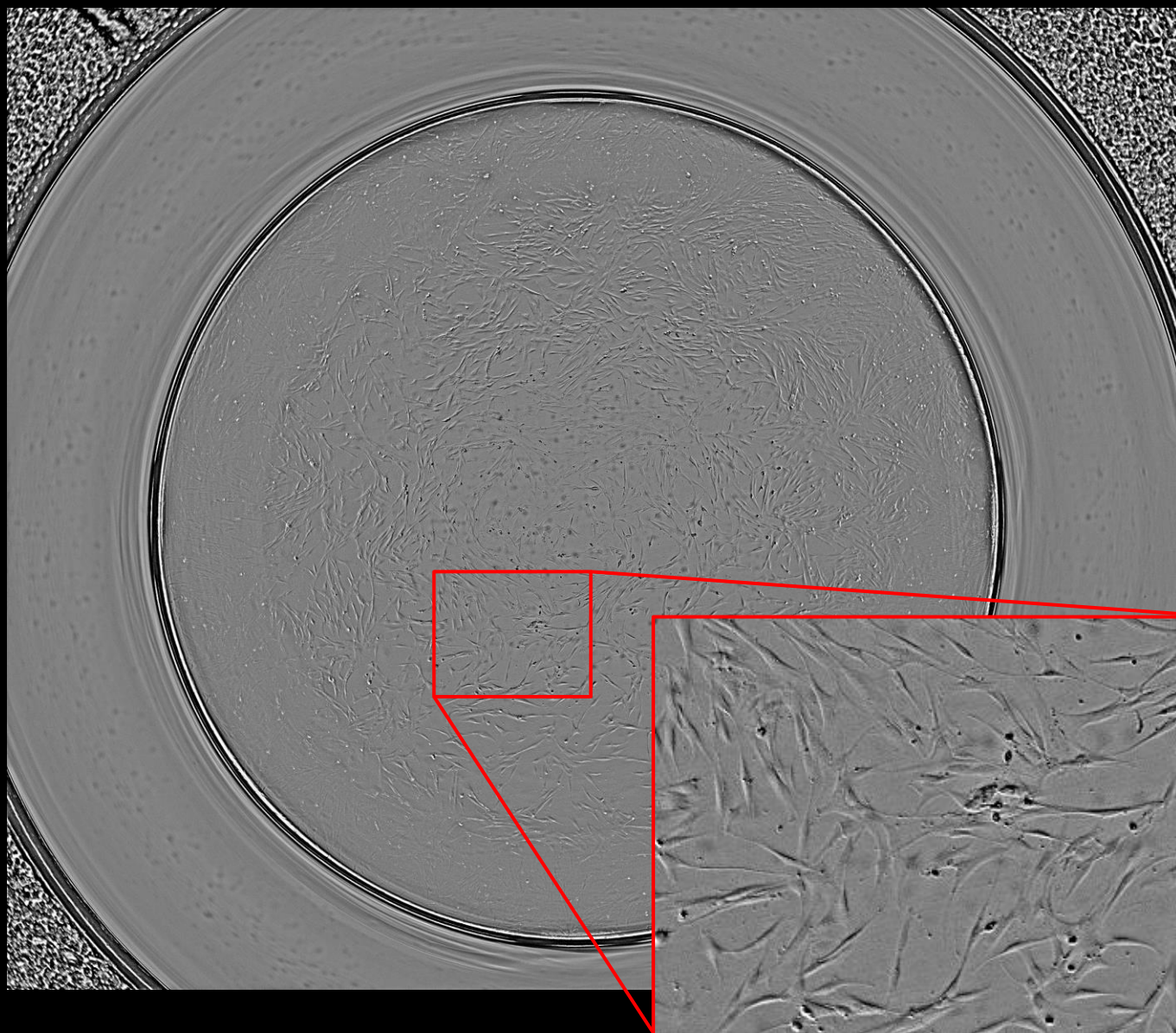
Brightfield 96-well

plate	96 well plate, Tecan TEC96ft_cell
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objective 2x

cells Normal Human
Dermal Fibroblasts
(NHDF)

No. of images	1 (whole well)
---------------	----------------



Confluence 96-well

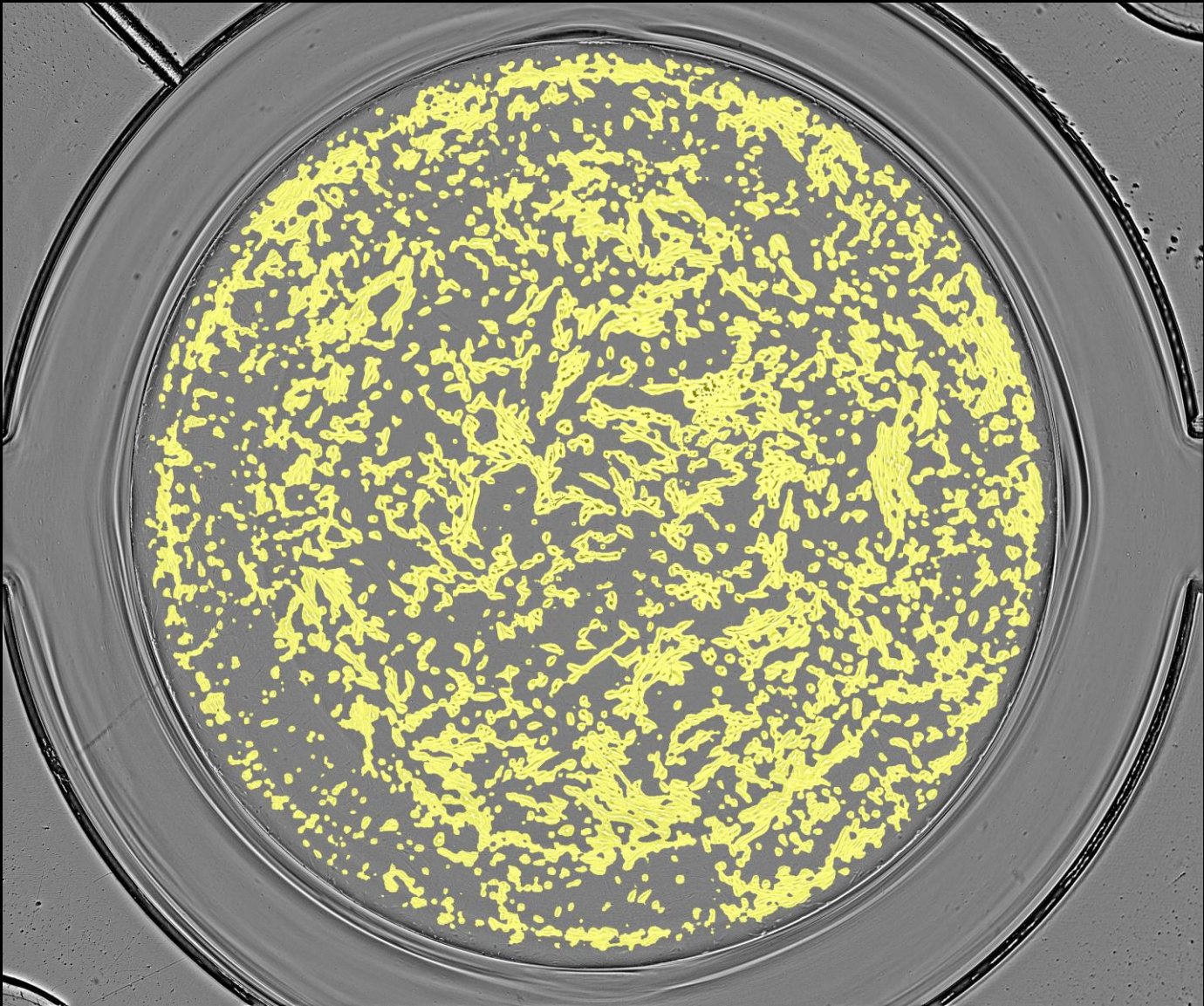


plate 96 well plate, Tecan
TEC96ft_cell

objective 2x

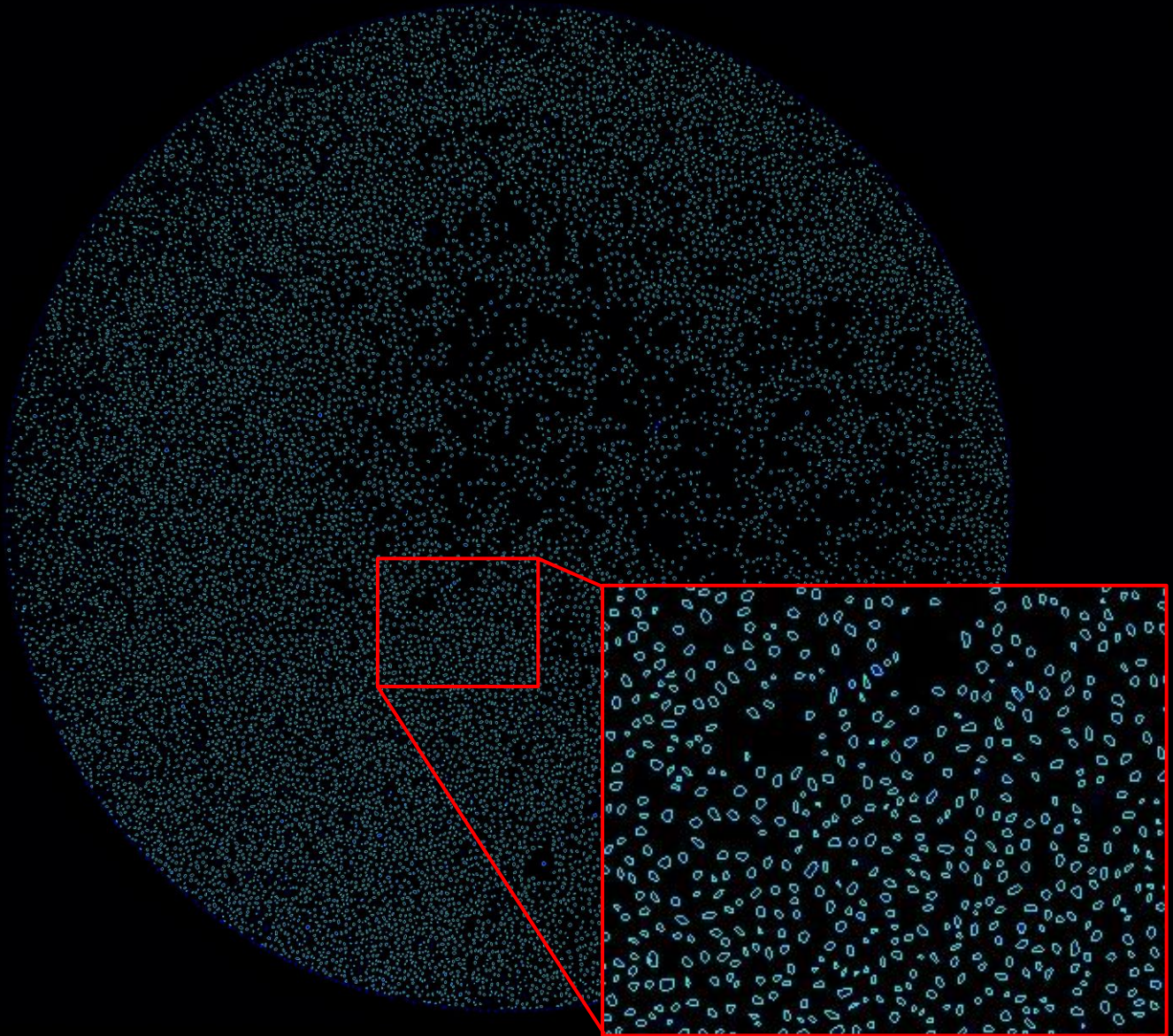
cells Normal Human
Dermal Fibroblasts
(NHDF)

**No. of
images** 1 (whole well)

mask confluence

Cell counting 96-well

plate	96 well plate, Tecan TEC96fb_cell_clear
objective	2x
cells	A431
fluorophore	Hoechst 33342
No. of images	1 (whole well)
mask	+ object recognition



Cell counting 384-well

plate 384 well plate, Tecan
TEC384fb_cell_clear

objective 4x

cells A431

fluorophore Hoechst 33342

No. of images 1 (whole well)

mask + object recognition



Transfection Efficiency

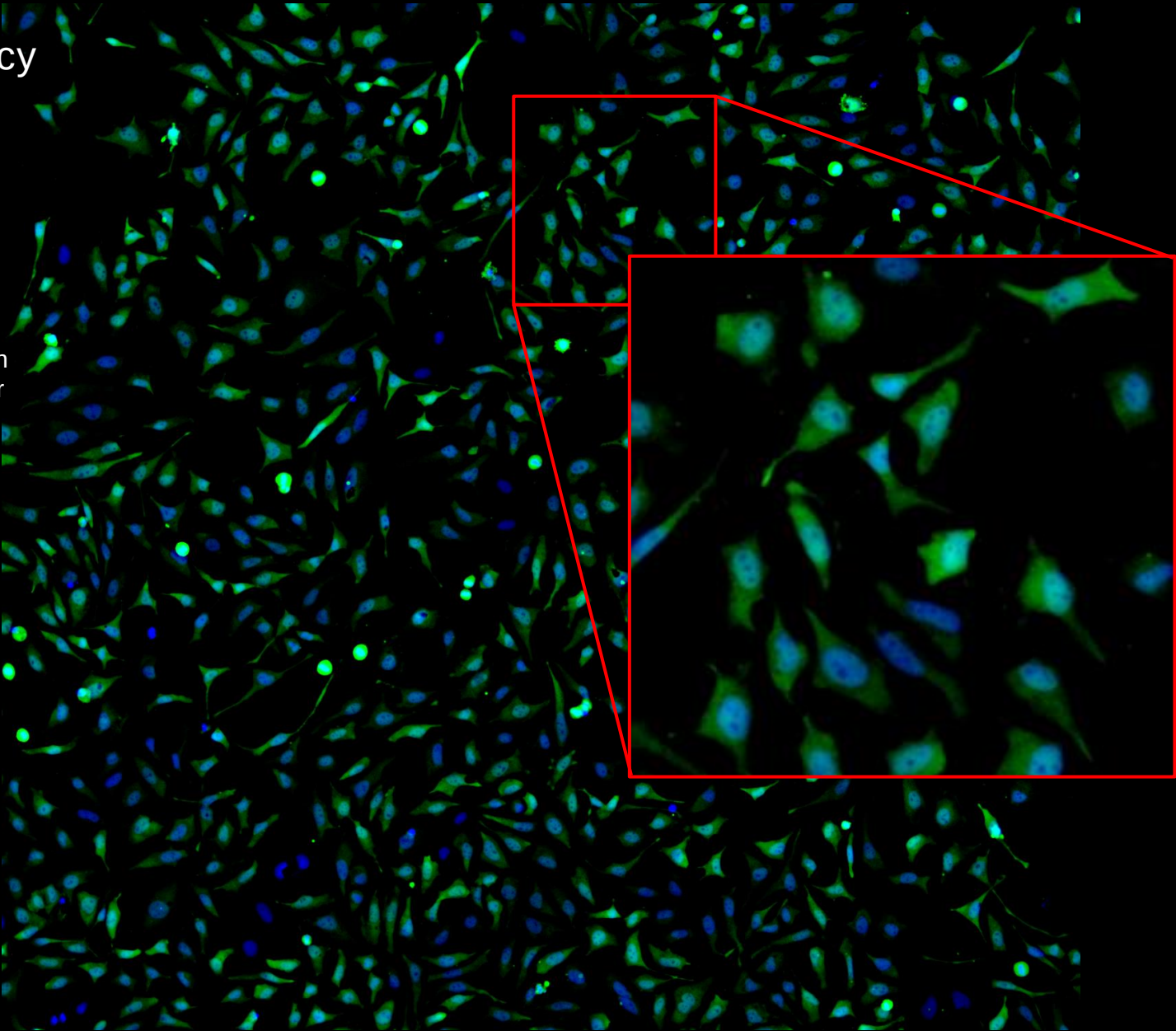


plate 384 well plate, Tecan
TEC384fb_cell_clear

objective 10x

cells CHO-GFP

fluorphore Hoechst
CHO-GFP cells

No. of images 1 (central)

Transfection Efficiency with Multi-color

plate 96 well plate, Tecan
TEC96ft_cell

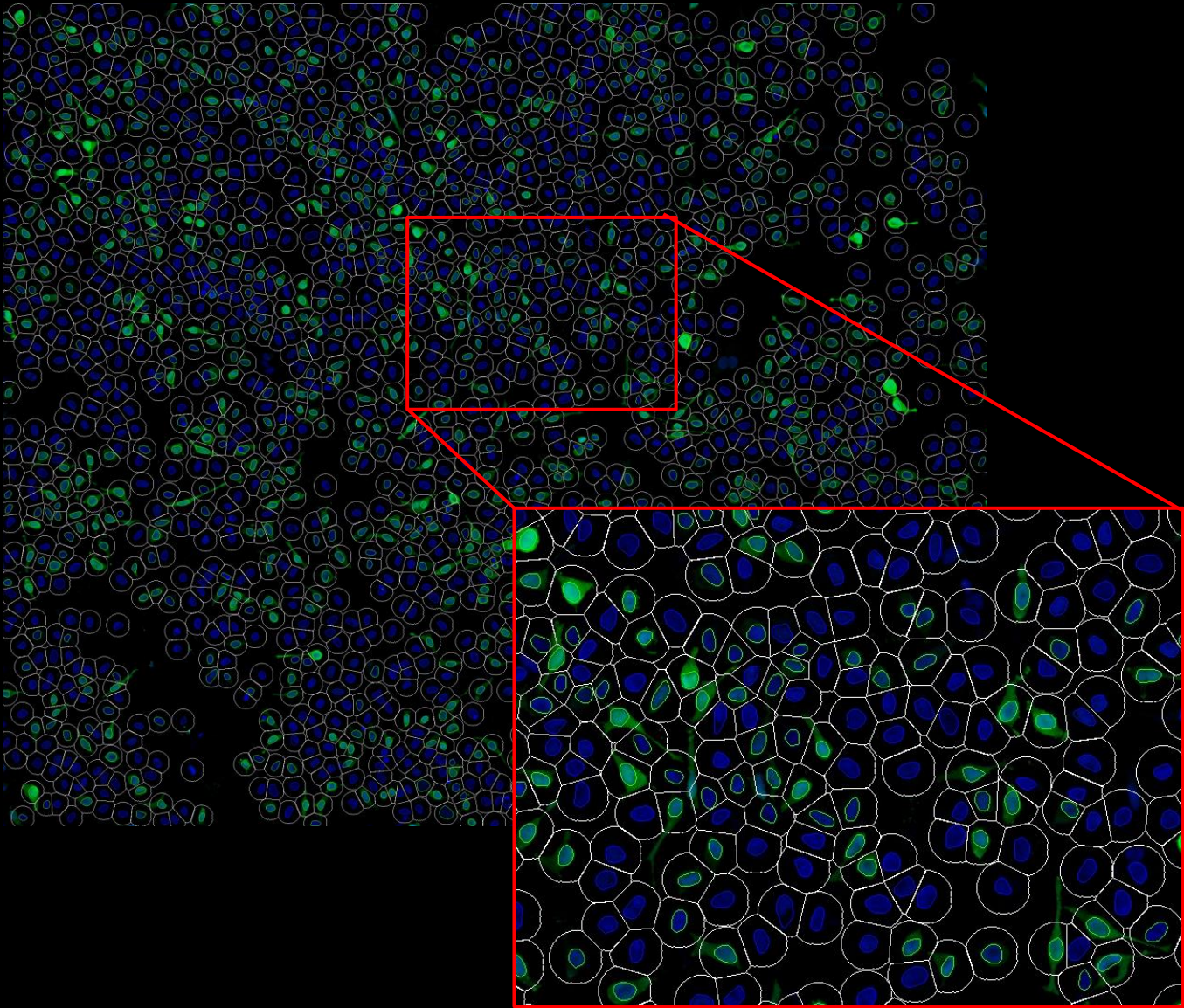
objective 10x

cells HeLa GFP

fluorophore HeLa-GFP cells
Hoechst

No. of images 1 (central)

mask Multicolor



Viability

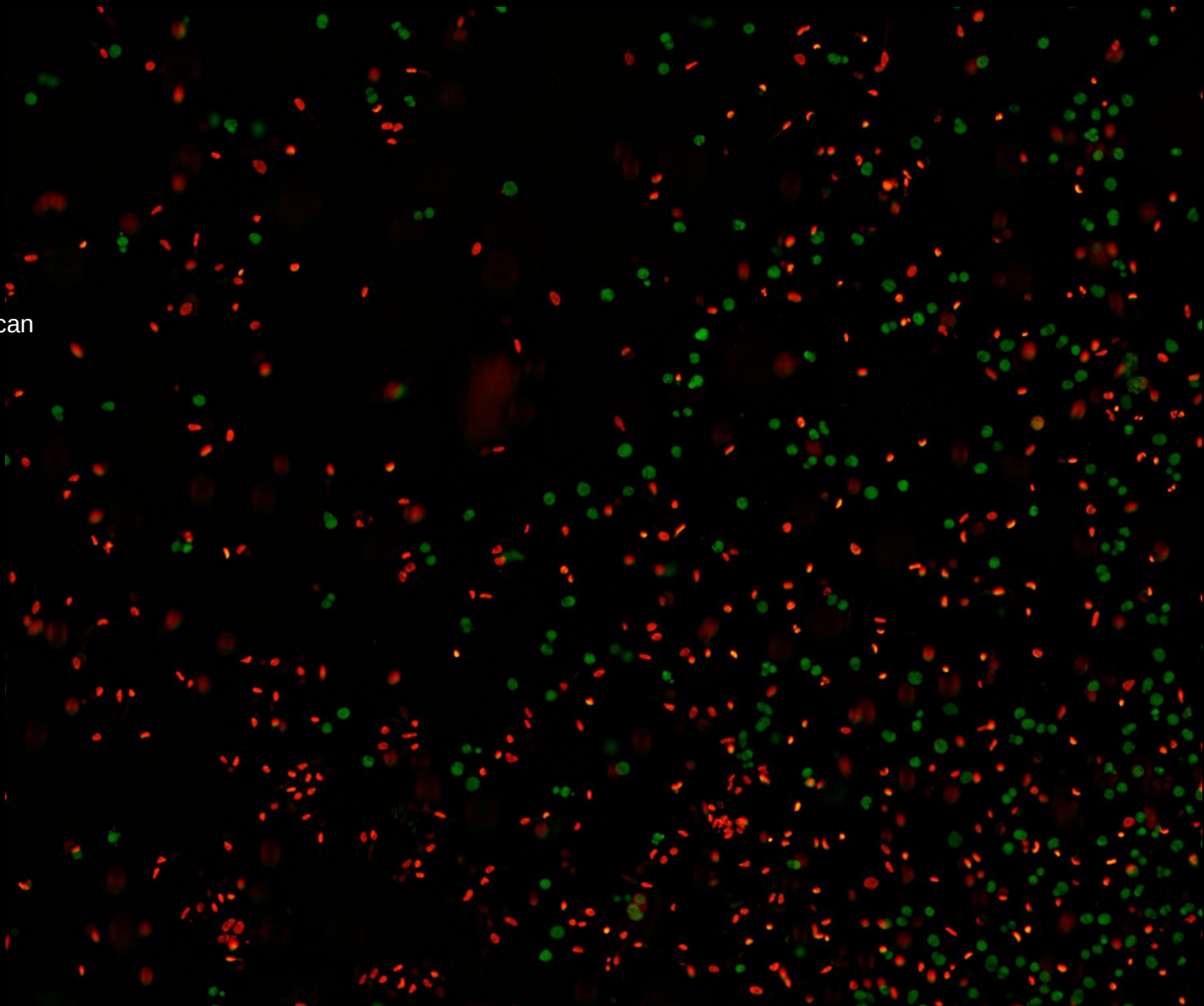
plate 24 well plate, Tecan
TEC24ft_cell

objective 10x

cells HeLa

fluorphore Propidium iodide
Calcein AM

**No. of
images** 1 (central)



Viability

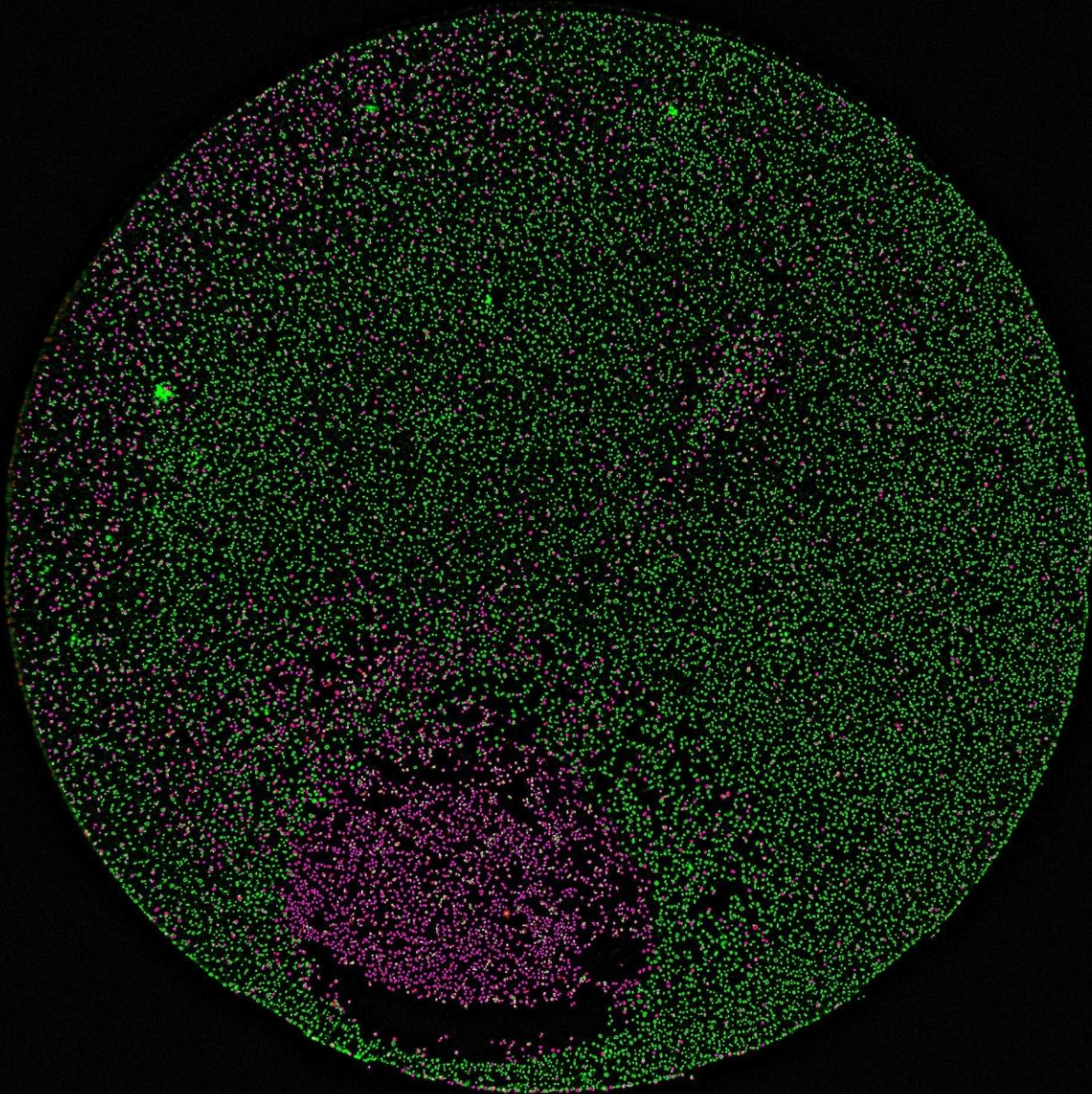
plate 96 well plate,
TecanTEC96ft_cell

objective 2x

cells HeLa

fluorphore Propidium iodide
Calcein AM

No. of images 1 (central)



Apoptosis

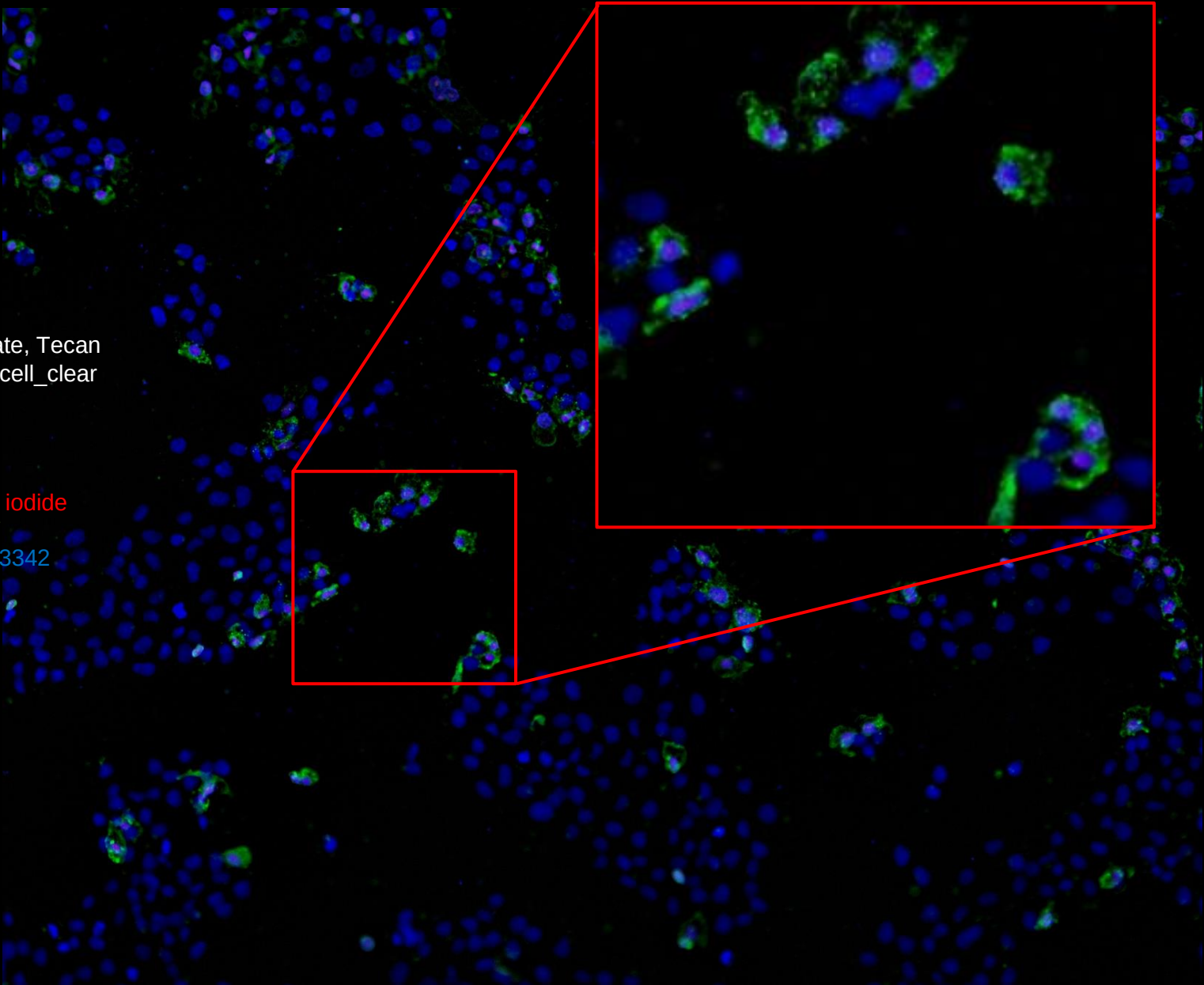
plate 96 well plate, Tecan
TEC96fb_cell_clear

objective 10x

cells A431

fluorophore Propidium iodide
Annexin V
Hoechst 33342

No. of images 1 (central)



Neurite outgrowth

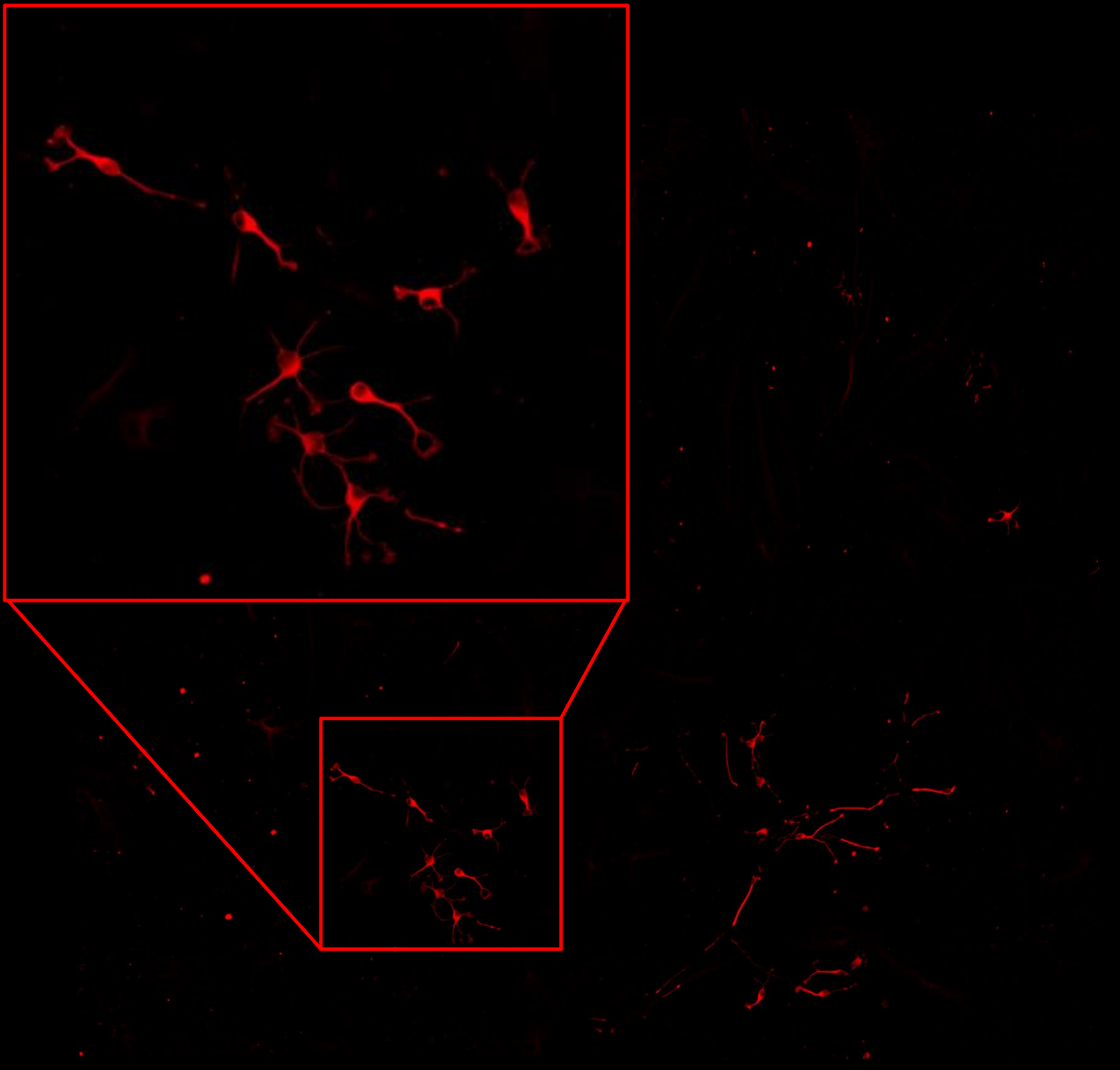
plate 96 well plate

objective 10x

cells Mouse brain progenitor cells

fluorophore Tuj1-Alexa Fluor 546
(Neuronal Class III β -Tubulin)

No. of images 1 (central)



Generated by:
Zeng Peng,
Receptor medicine, Tongji University,
China

Plate	24 well plate, Greiner GRE24ft
Objective	10x (with digital zoom)
Cells	HeLa
Fluorophore	Propidium Iodide (PI) and accumulated GFP expressing Salmonella Hoechst 33342
No. of images	1 (central)

Uninfected cells

GFP Salmonella bacteria infect cells and accumulate in vesicles

Salmonella containing vesicle burst and is released into cytoplasm

Cells die due to infection and become PI positive

Generated by:
Van Damme Lab,
Dept of Biochemistry &
Microbiology
Ghent University Ghent,
Belgium



Salmonella infection of HeLa cells

plate 24 well plate, Greiner GRE24ft

objective 4x

cells HeLa

fluorophore Propidium Iodide (PI)
and accumulated GFP
expressing Salmonella
Hoechst 33342

**No. of
images** 1 (central)



Generated by:
Van Damme Lab,
Dept of Biochemistry &
Microbiology
Ghent University Ghent,
Belgium



Cytoskeleton

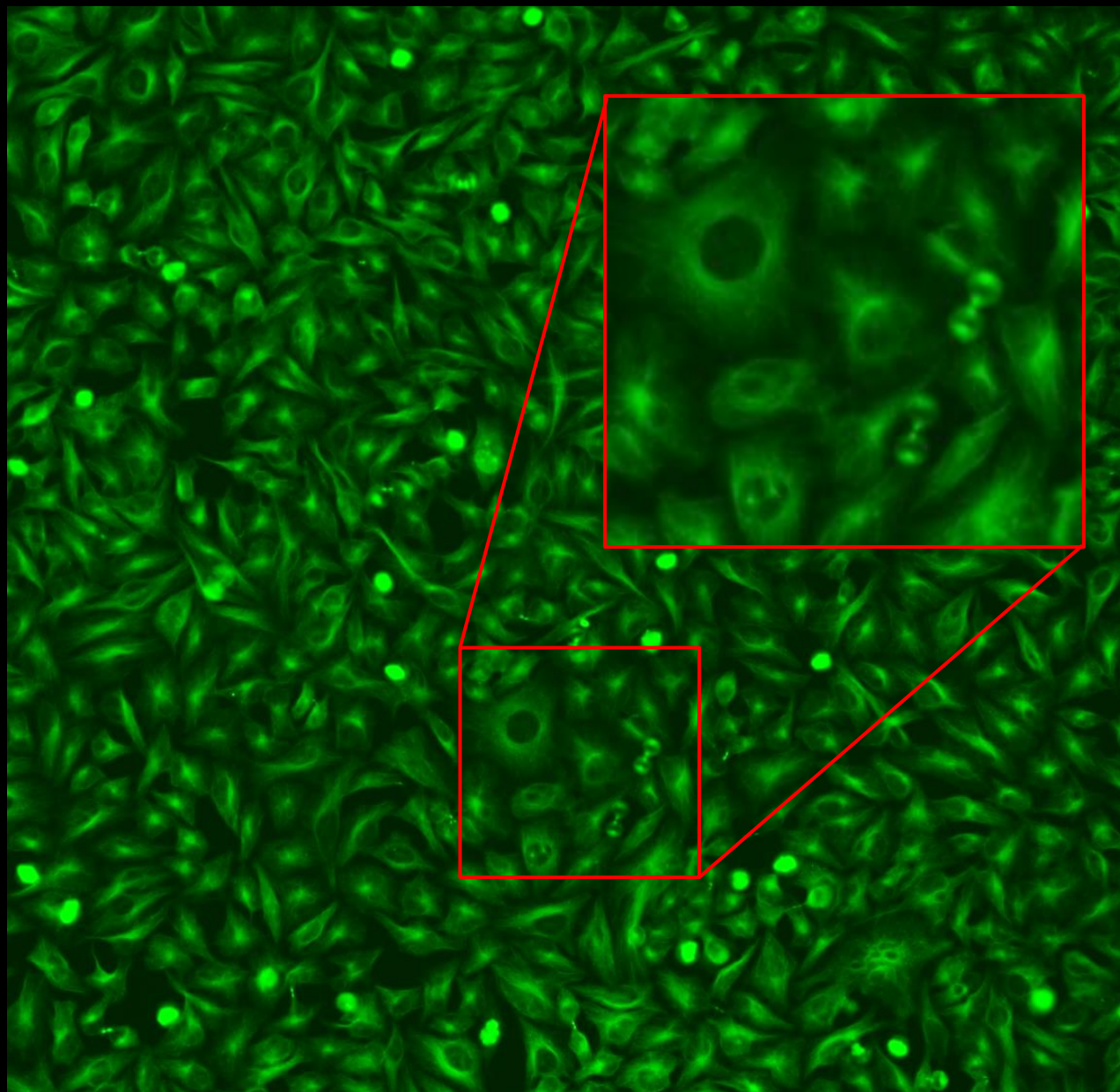
plate Perkin Elmer HCL
Application Plate (384-well
CellCarrier)

objective 10x

cells HeLa

fluorophore α -tubulin Alexa 488

**No. of
images** 1 (central)
(no background correction)



Cytoskeleton

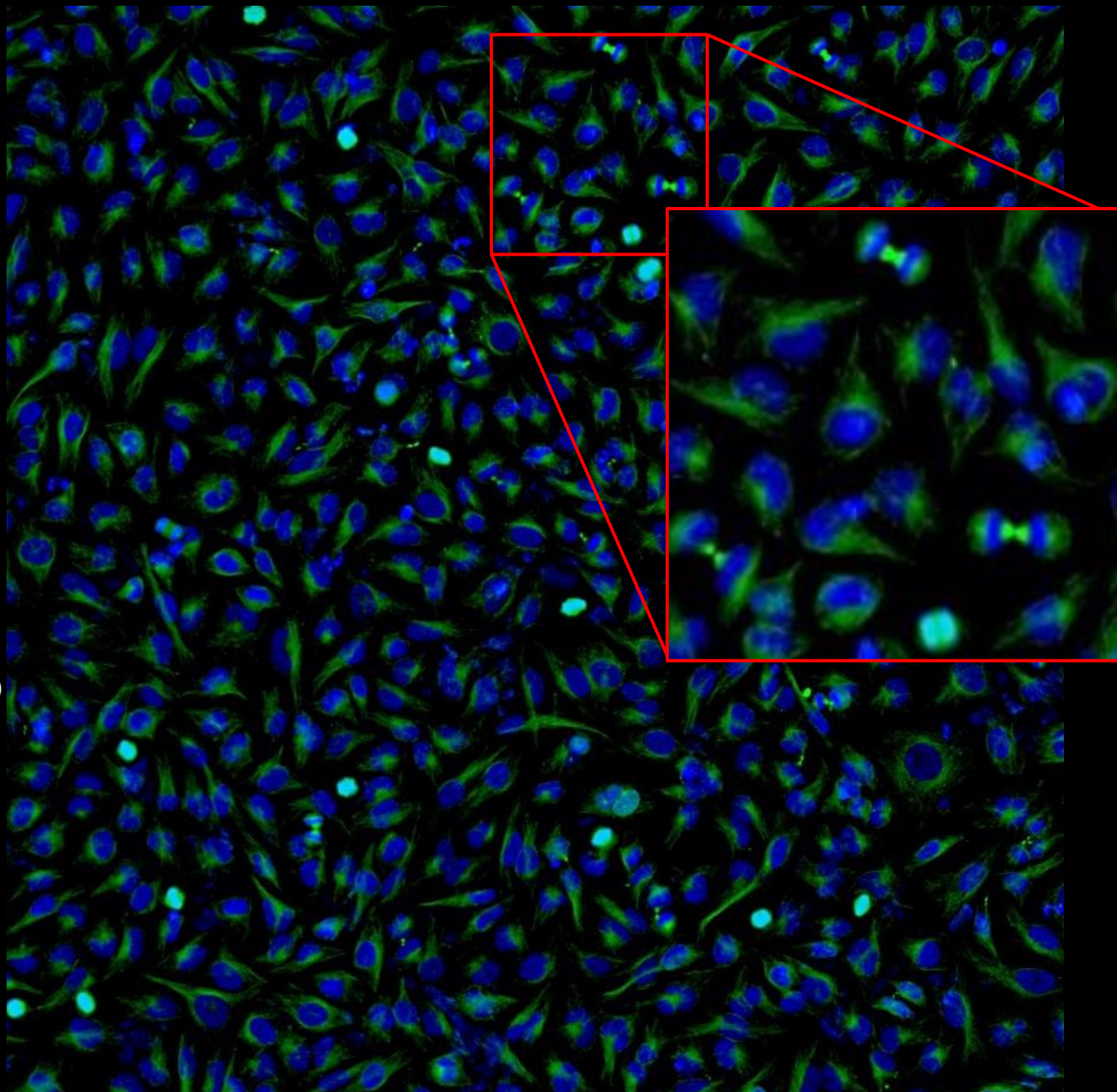
plate Perkin Elmer HCL
Application Plate
(384-well CellCarrier)

objective 10x

cells HeLa

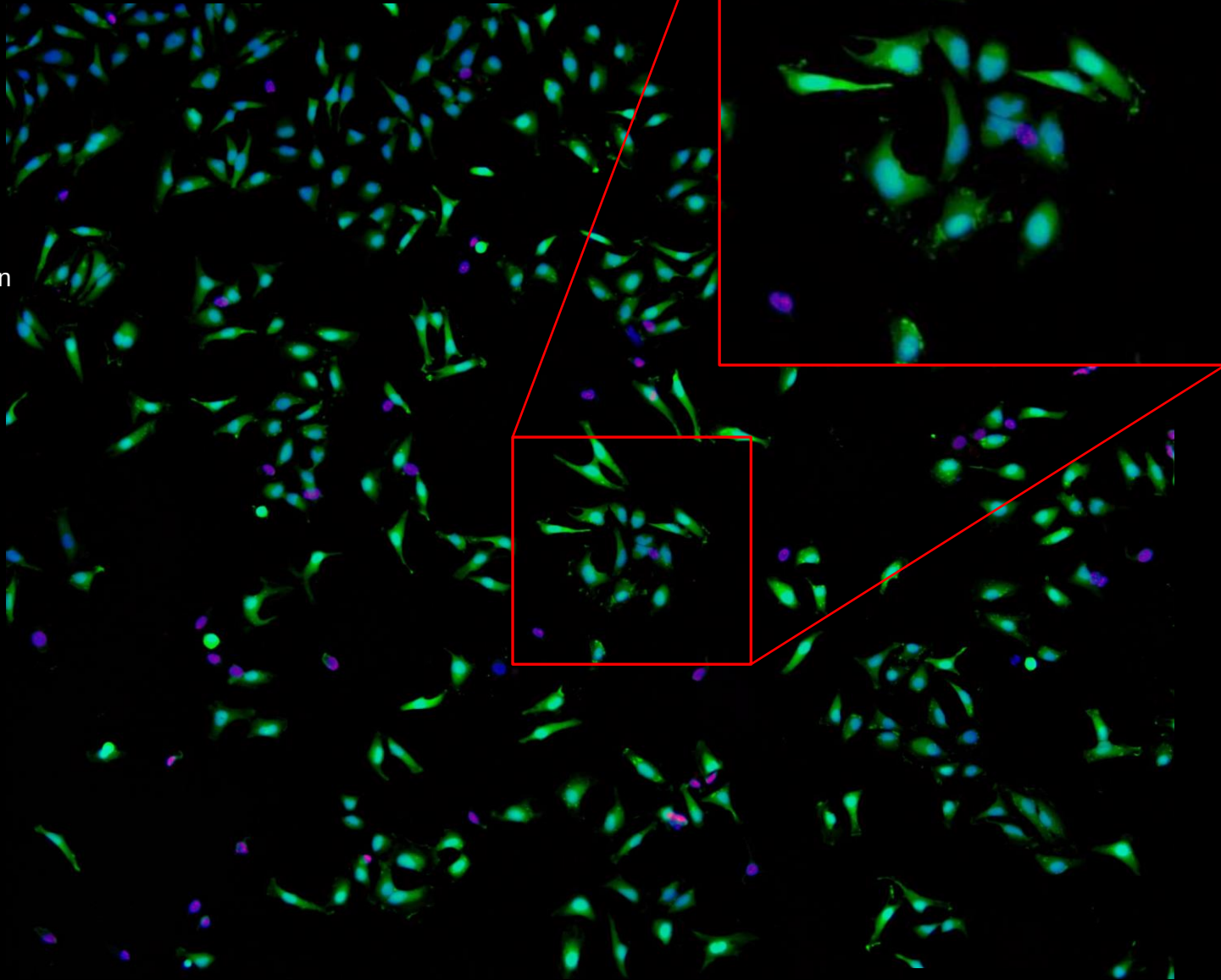
fluorophore α -tubulin Alexa 488
Hoechst 33342

**No. of
images** 1 (central)
(+background correction)



Cell Trace and treatment of HeLa cells

plate	96 well plate, Tecan TEC96fb_cell clear
objective	10x
cells	HeLa
fluorophore	Propidium iodide CFSE cell trace Hoechst 33342
No. of images	1 (central)



MitoTracker Deep Red

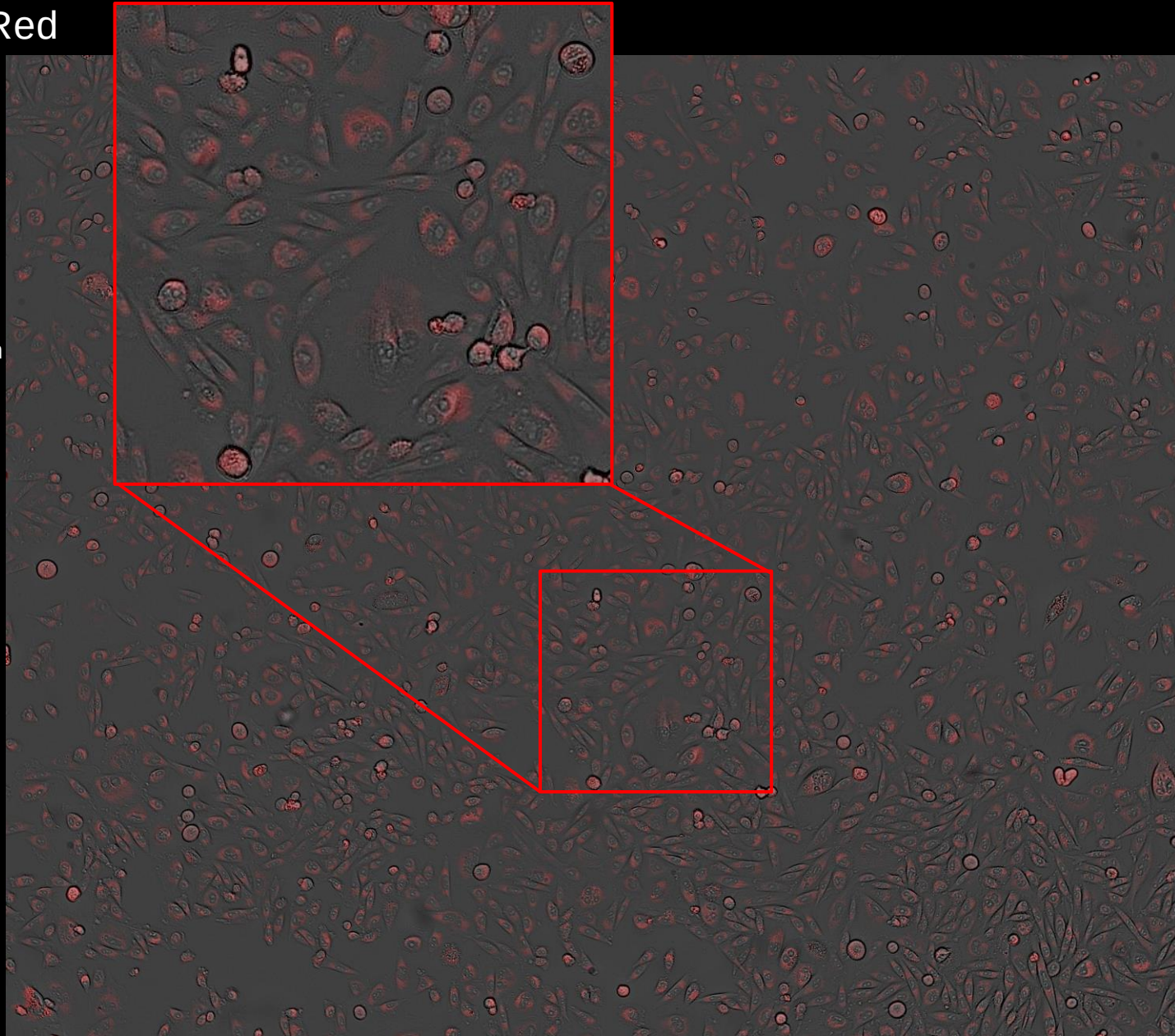
plate 24 well plate, Tecan
TEC24ft_cell

objective 10x

cells CHO

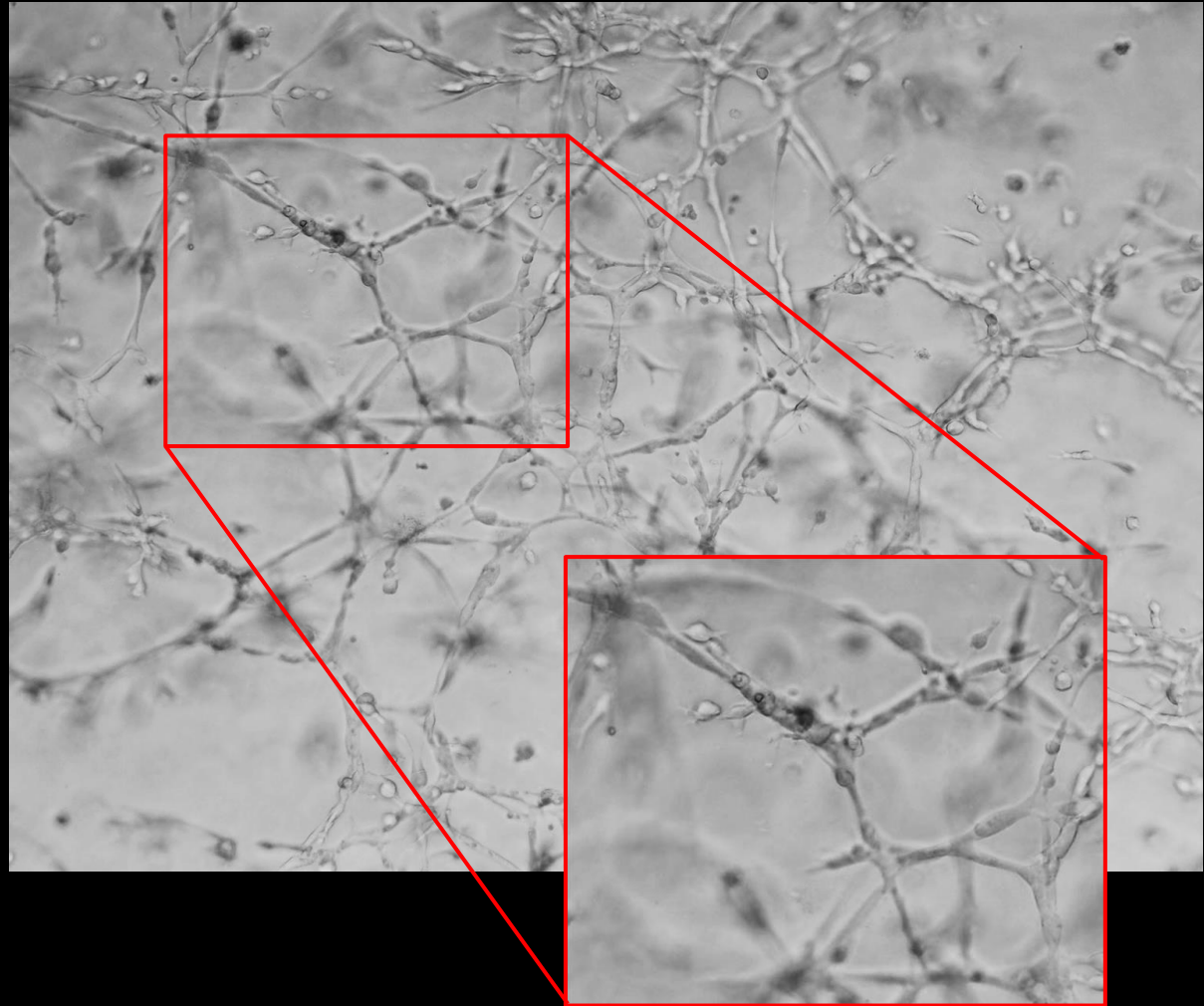
fluorophore Mitotracker

**No. of
images** 1 (central)



Network forming breast cancer cells

plate	96 well plate
objective	10x
cells	MDA-MB-231
No. of images	1 (central)

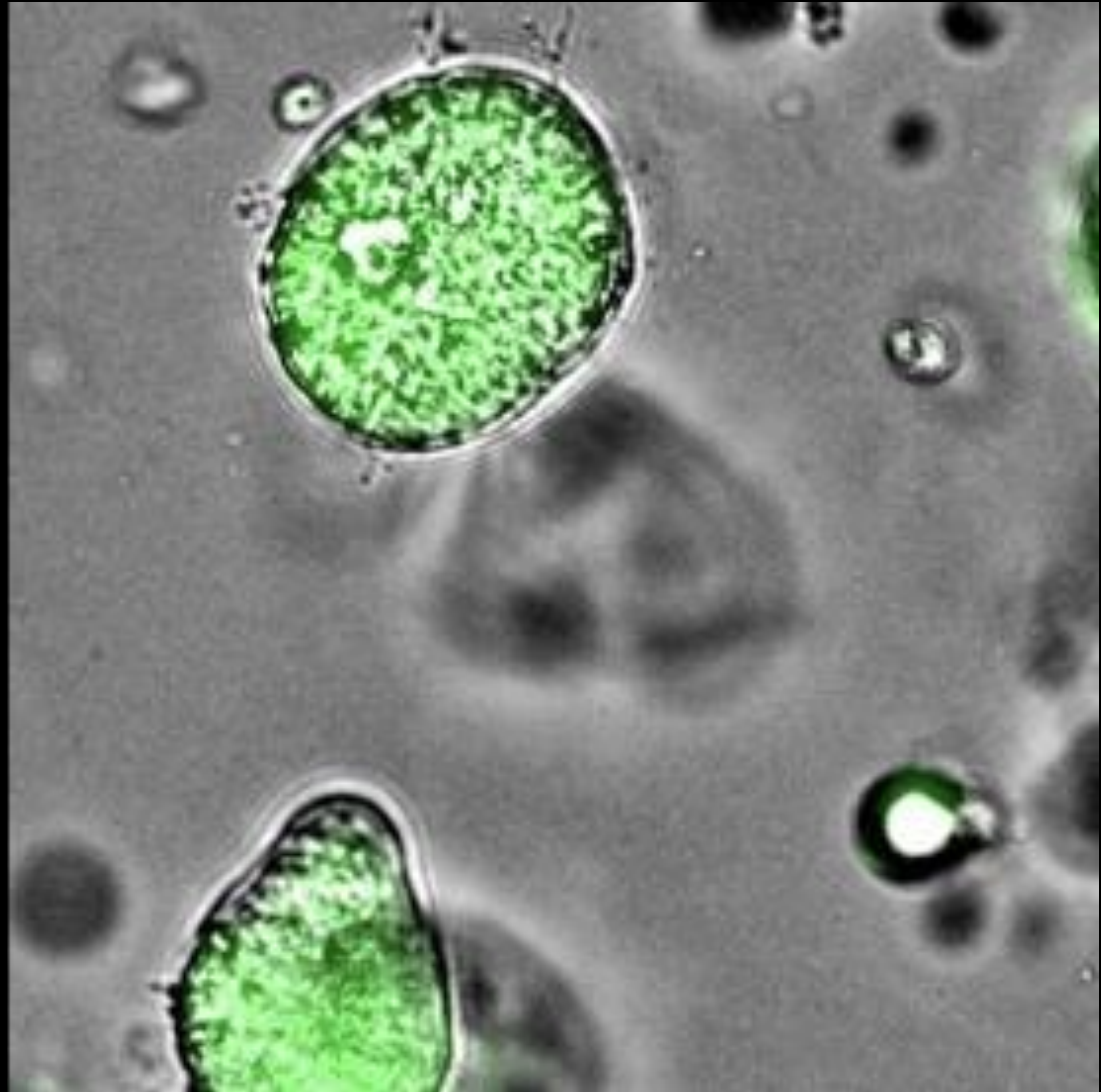


Generated by:
Julia Kirshner
zPREDICTA Inc.



Tumor spheroids (breast cancer)

plate 96 well plate
objective 10x
cells T47D
fluorophore Calcein-AM
No. of images 1 (central)

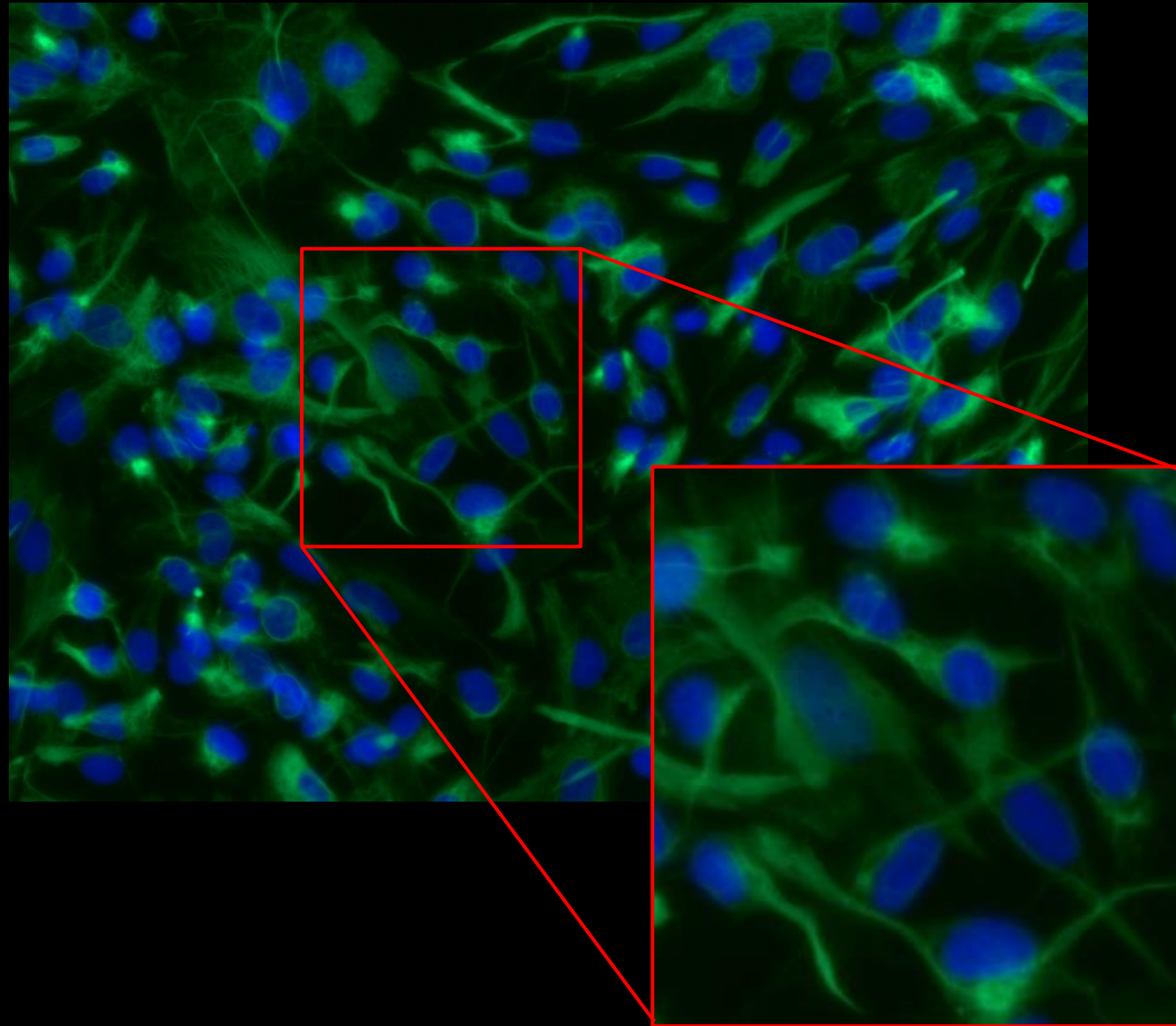


Generated by:
Julia Kirshner
zPREDICTA Inc.



Human Neural Stem Cells

plate 24 well plate
objective 10x
cells human neural stem cells
fluorophore Nestin
DAPI
No. of images 1 (central)

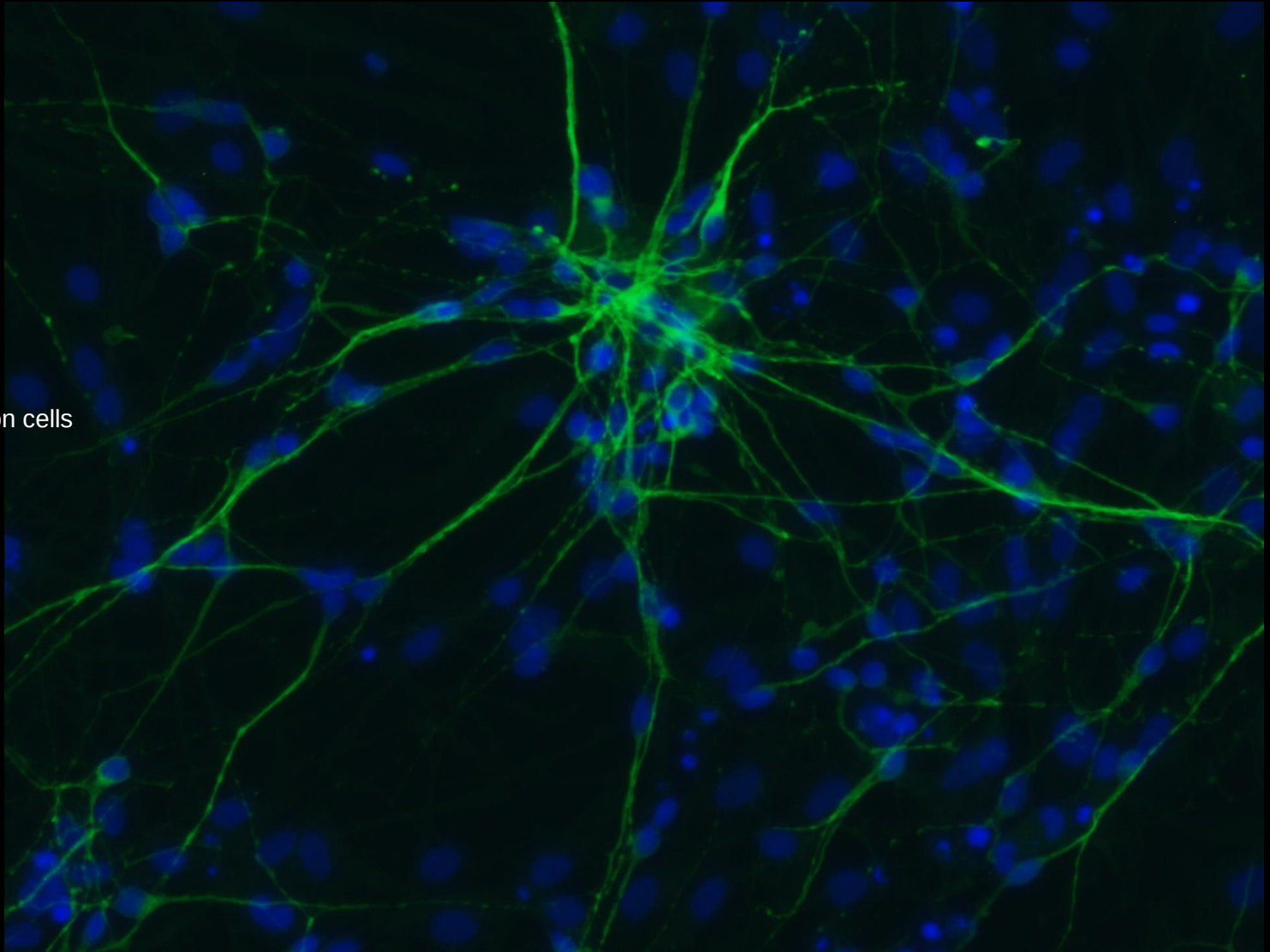


Generated by:
Jiang Hailun and Liu Rui
Institute of Medicinal Biotechnology
Peking Union Medical College



Human Neurons

plate	24 well plate
objective	10x
cells	human neuron cells
fluorophore	MAP2 DAPI
No. of images	1 (central)

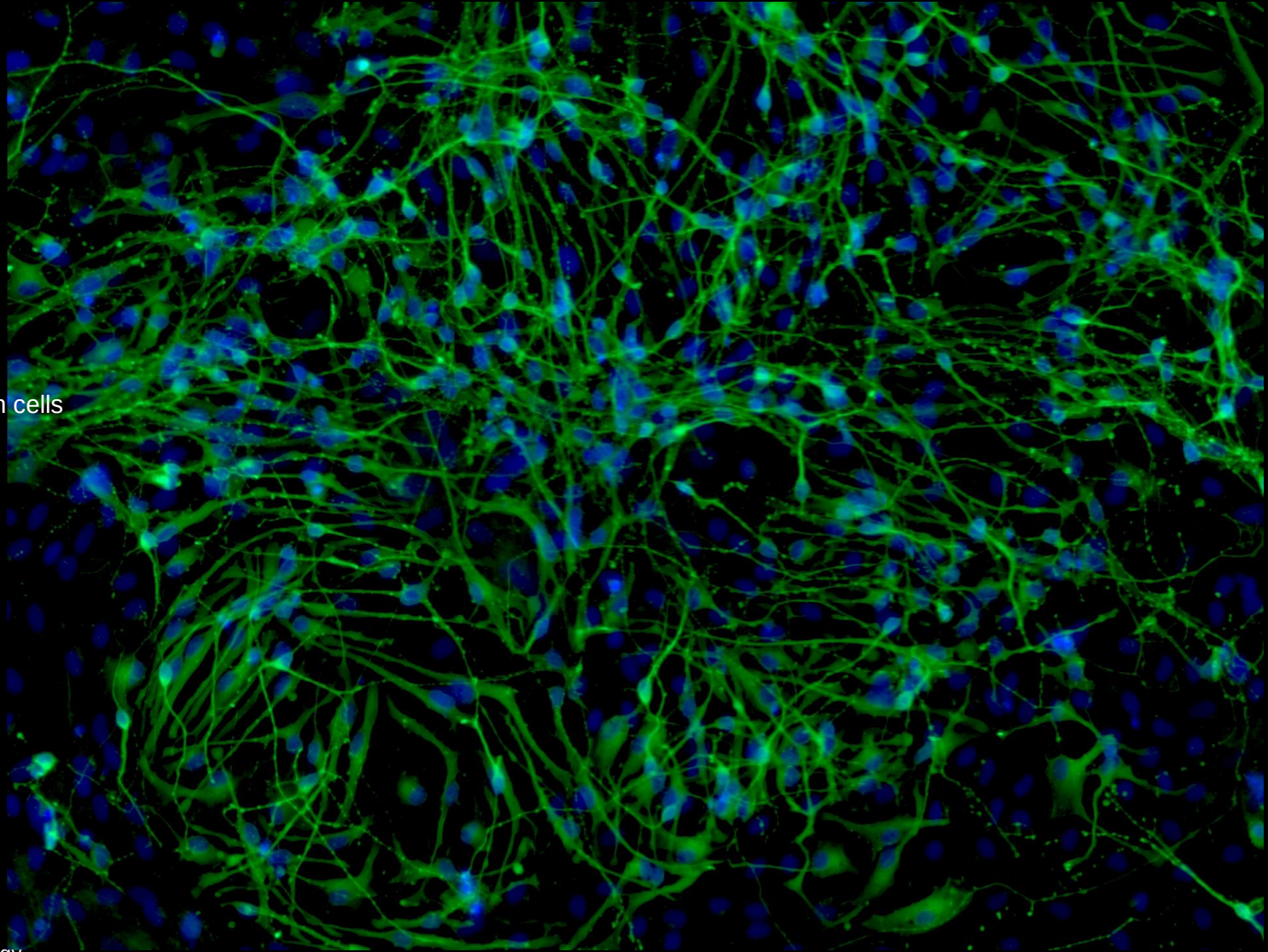


Generated by:
Jiang Hailun and Liu Rui
Institute of Medicinal Biotechnology
Peking Union Medical College



Human Neurons

plate	24 well plate
objective	10x
cells	human neuron cells
fluorophore	β -tubulin III DAPI
No. of images	1 (central)

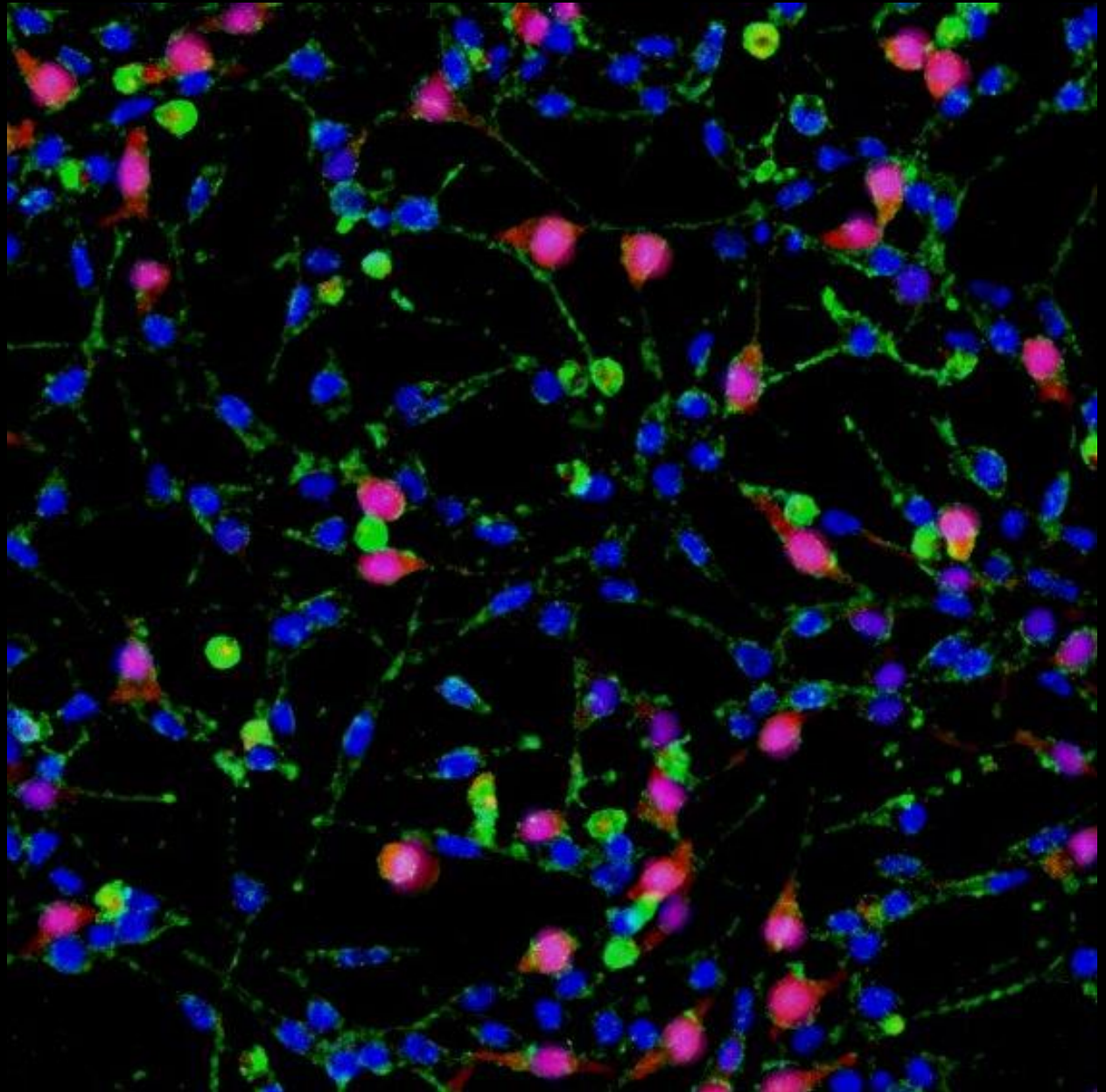


Generated by:
Jiang Hailun and Liu Rui
Institute of Medicinal Biotechnology
Peking Union Medical College



Human Neurons

plate	24 well plate
objective	10x
cells	human neuroblastoma SH-SY5Y
fluorophore	Annexin-V PI DAPI
No. of images	1 (central)



Generated by:
Jiang Hailun and Liu Rui
Institute of Medicinal Biotechnology
Peking Union Medical College



Apoptotic cells

plate 384 well plate, Corning (#3770)

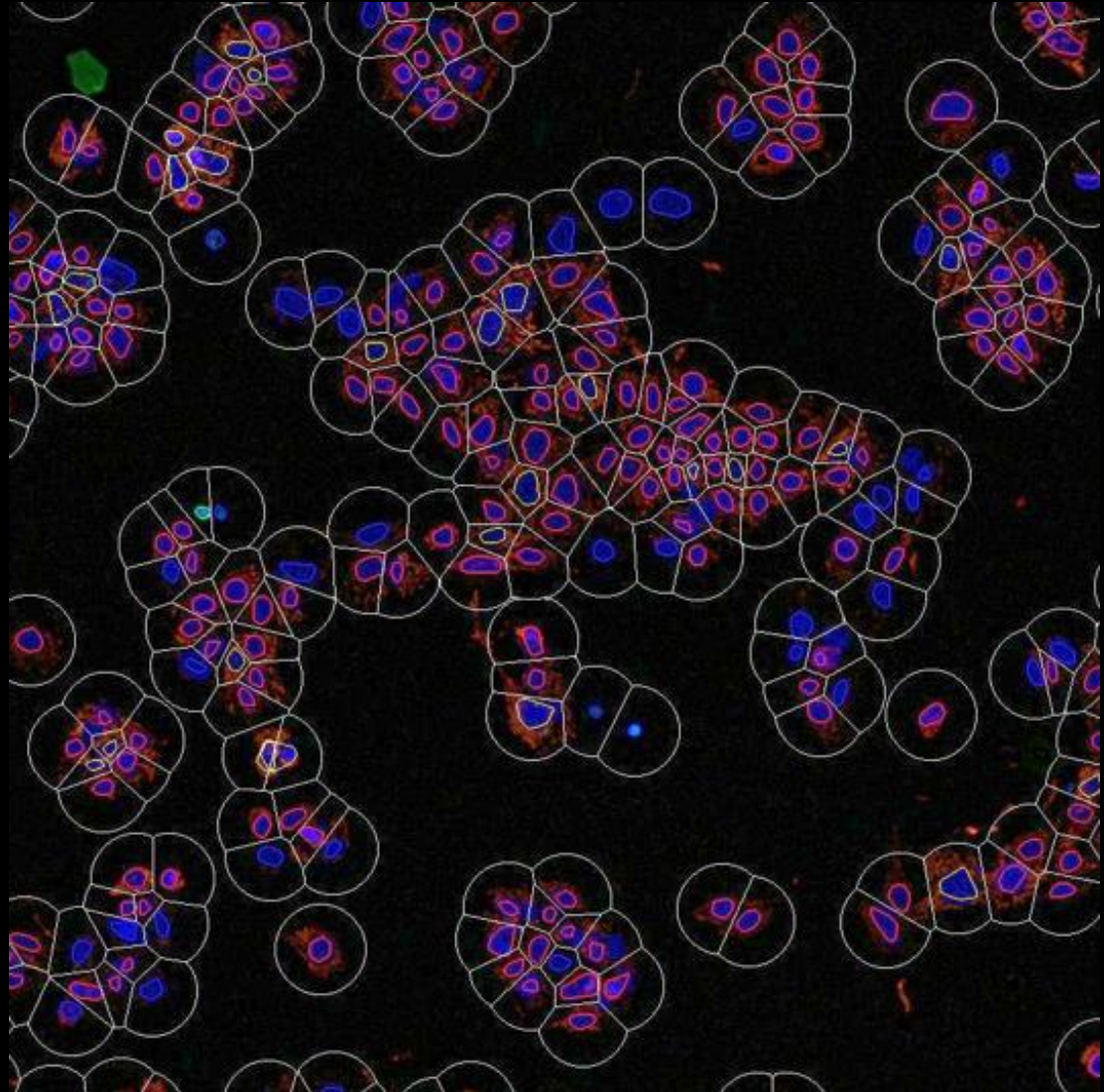
objective 10x

cells HepG2

fluorophore TMRM
Yo-Pro1
Hoechst 33342

No. of images 1 (central)

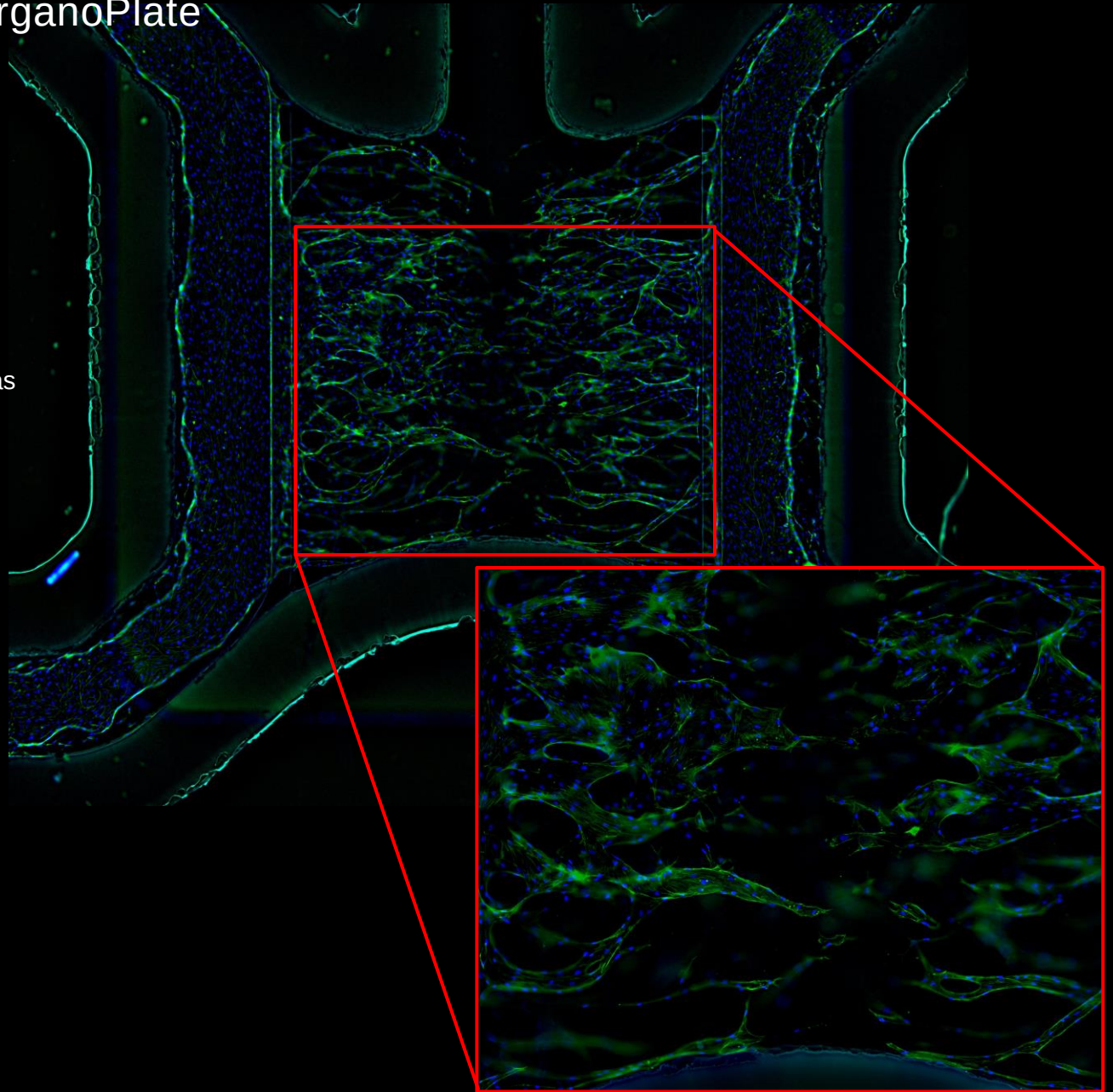
mask Multicolor



Generated by:
FMP Berlin

Co-culture platform - OrganoPlate

plate	OrganoPlate Graft, Mimetas
objective	10x
cells	HUVECs
fluorophore	CD31 DAPI
No. of images	1 (central)



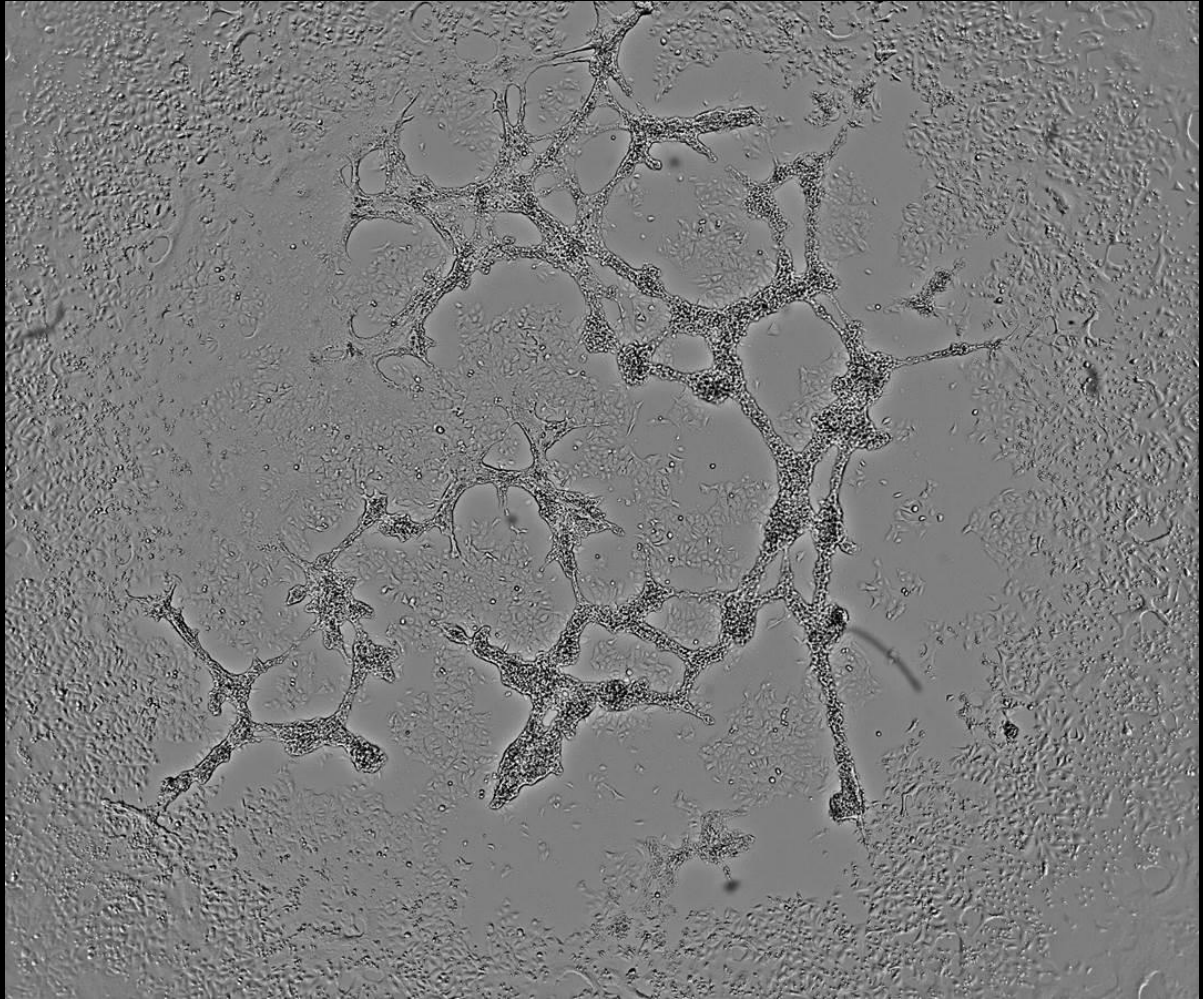
Syncytia formation after SARS-CoV2 infection

plate 96 well plate - Screenstar, Greiner
GRE96fb_SCREENSTAR

objective 10x

cells A549-AT

No. of images 1 (central)



Generated by:
Marek Widera
Alexander Wilhelm
University Hospital Frankfurt,
Goethe University Frankfurt



The background of the image is a close-up, slightly blurred view of a multi-well microplate. The wells are arranged in a grid and contain a teal-colored liquid. The lighting creates a gradient from light blue on the left to a darker green on the right.

Empowered
with
Tecan.

