



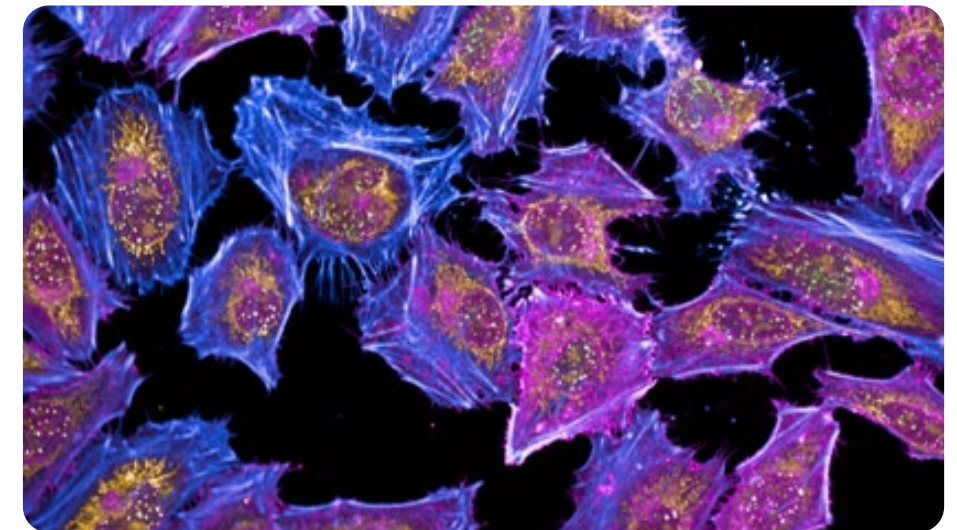
One portfolio. More biology per well.

PhenoVue reagents and PhenoPlate microplates
for high-content imaging

Extensively tested reagents, high-quality microplates, multiplex-ready workflows

From live-cell dynamics to fixed-endpoint analysis, Revvity's integrated portfolio of PhenoVue™ reagents and PhenoPlate™ microplates delivers the flexibility and performance for your high-content screening research. Our extensive selection of ready-to-use kits and high quality plate formats are built to complement each other. So, you can move from experimental question to imaging output with confidence.

See page two of this flyer to match your biology to the right reagent and plate combination. It's one connected solution to simplify your path from sample to insight.



Start with the biology

Cell structure and morphology

Organelle and cellular compartment probes for nucleus, cytoskeleton, mitochondria, lysosomes, lipid droplets, ER and membranes.

Cell function and health

Live-cell and endpoint readouts for calcium, oxidative stress, hypoxia, viability, apoptosis and trafficking.

Specific biological targets

Combine primary antibodies with PhenoVue secondary antibodies and complementary probes for multiplexed imaging.

Standardized applications

Ready-to-use kits with enhanced reagents and protocols for fast assay adoption and reliable workflows.

Choose your path: Flexible building blocks or ready to use kits with scalable solutions.

Choose your PhenoVue reagents

Live

Cell health and function

Dynamic and kinetic readouts

- Calcium indicators
- Oxidative stress
- Hypoxia
- Cell viability and death
- Live-cell tracer
- Antibody internalization

Live and fixable

Organelles and cell structure

Live, fixable, and fixed-cell probes

- Nucleus
- Actin and tubulin
- Mitochondria
- Lysosome
- Lipid droplets
- ER • membrane • Golgi

Fixed

Target-specific imaging

Build up to 5 multiplexed immunofluorescence assays

- Primary antibodies
- Secondary antibodies
- DNA damage & apoptosis
- Autophagy
- Neuroscience markers
- Multiplex-ready channels

400LS

405

488

555

568

594

647

Choose your PhenoPlate microplate format

96-well

Lower throughput

- TC
- PDL
- Collagen
- Fibronectin
- ULA

384-well

Standard throughput

- TC
- PDL
- Collagen
- Fibronectin
- ULA

3D 384-well

ULA coated + flat imaging bottom

One plate 3D workflow

Learn more

1536-well

Ultra high-throughput

- TC treated
- High/low rim

Ready-to-use application kits

Cell painting

JUMP + target add on

Multi-organelle

Structural phenotyping

Autophagy

LC3 • p62SQSTM1 • LAMP1

Live cell painting

Live-cell morphological profiling

DNA damage & apoptosis

γH2AX • BP53 • cleaved PARP1

Human Ab internalization

pH-sensitive internalization

Ready-to-use imaging examples

Multi-parameter live-cell morphological profiling

2D & 3D live cell painting imaging

Spheroid formation (staining and imaging) in the same plate

From 2D monolayers to 3D spheroids and high-density screening, our PhenoPlate microplates and PhenoVue reagents deliver advanced cellular imaging workflows to power your research.

Explore now

Learn more about PhenoPlate microplates

Explore now

Learn more about PhenoVue reagents

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