



CHECK OUT YOUR IMAGING MICROPLATE!

Selecting the best plate for imaging-based assays

1. MICROPLATE COLOUR

- Clear (for colorimetric-based readouts)
- White (for luminescence-based readouts)
- Black (for fluorescence-based readouts)
- Black with clear bottom
(for cell visualization in normal and confocal microscopic assays and fluorescence-based bottom read-outs)
- White with clear bottom
(for luminescence-based bottom read-outs)

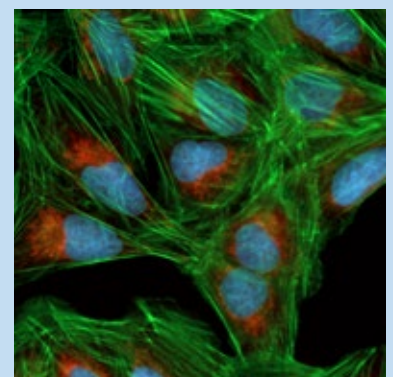
2. WELL SHAPE

- Round (minimizing reaction volumes)
- Square-shaped with flat bottoms
(maximizing the area for light transmission)

HTS SOLUTIONS.
JUST FOR YOU.

Not sure which microplate to choose for your assay?

Here's a quick checklist with the most important factors that affect the quality of imaging in high throughput and high content screening.



CHECKLIST IMAGING PLATES

FOR FURTHER INFORMATION AND/OR SAMPLE ORDERING
PLEASE VISIT OUR WEBSITE OR CONTACT US.

3. WELL BOTTOM ELEVATION

- Recessed well bottom (for high magnification and low working distances and high NA)
- Standard flat F-bottom (for low to medium magnification)

4. BOTTOM TYPE

- Polystyrene film bottom (μ Clear[®]) (for basic microscopic applications)
- Cyclic olefin bottom (SCREENSTAR) (for high magnification microscopy)
- Glass bottom (CELLview) (for high magnification microscopy)

5. SURFACE TREATMENTS

- TC-treated (general adherent cell culture)
- Suspension (non-adherent cell culture)
- Advanced TC (cultivation of fastidious cell lines)
- Protein coating (cell-specific needs for growth and adhesion)
- Cell Repellent (spheroid and organoid formation)

QUESTIONS ABOUT IMAGING PLATES?

If you need to talk to an expert about choosing the right microplate for your imaging-based assays, please [contact us](#).

We're happy to help!

