

SCREENSTAR Microplates

For High Content Screening and High Resolution Microscopy

SCREENSTAR microplates are specialised products for sophisticated microscopic applications, like high content screening (HCS) or high resolution microscopy with water and oil immersion objectives. Manufactured entirely of cycloolefin, the microplates feature a black pigmented frame with a 190 µm ultraclear film bottom for ideal compatibility with instrument optics. Well bottoms display excellent optical properties for the highest optical transparency with reduced autofluorescence in the lower UV range, low birefringence and a refractive index of 1.53 comparable to glass. Recessed microplate wells enable complete periphery access for high magnification objectives.

The SCREENSTAR microplates are resistant against polar solvents (DMSO) and combine outstanding glass-like optical properties with an excellent surface for adherent cell culture. The SCREENSTAR microplates are available in 96 well, 1536 well and now also 384 well format.

Key Facts

- For high resolution microscopy
- For high content screening in drug discovery
- For high magnification and improved resolution
- Universal microscope objective compatibility
- 190 µm thin cycloolefin film bottom
- Refractive index similar to glass (1.53)
- Proven Greiner Bio-One cell culture quality



non-cytotoxic

Ordering Information

| Cat. No. | Product Description | Quantity per Bag | Quantity per Case |
|----------|---|------------------|-------------------|
| 655 866 | 96 well SCREENSTAR microplate, cycloolefin, black, 190 µm film bottom, TC-treated, sterile, with lid | 1 | 16 |
| 789 836 | 384 well SCREENSTAR microplate, cycloolefin, black, 190 µm film bottom, TC-treated, sterile, with ultra low profile lid | 10 | 40 |
| 789 866 | 1536 well SCREENSTAR microplate, cycloolefin, black, 190 µm film bottom, TC-treated, sterile, without lid | 17 | 68 |

96 Well SCREENSTAR Microplate

- For research and high content screening applications
- Distance between plate rim and inner well bottom: 0.7 mm
- Distance between plate rim and outer well bottom: 0.51 mm
- Ditch at the perimeter can be filled with fluids to minimise edge effects and evaporation
- Round well geometry to reduce optical distortions
- Protective film on optical bottom to diminish airborne contamination and surface defects
- Individually wrapped plate with lid and easy-to-open packaging

384 Well SCREENSTAR Microplate **NEW**

- For high throughput and high content screening applications
- Distance between plate rim and inner well bottom: 1.3 mm
- Distance between plate rim and outer well bottom: 1.11 mm
- Smooth microplate top absent of alphanumeric coding facilitates flush lid mounting for use within automated systems and improves heat sealing
- Cell culture treated and sterile, with lid

1536 Well SCREENSTAR Microplate

- For high throughput and high content screening applications
- Distance between plate rim and inner well bottom: 0.7 mm
- Distance between plate rim and outer well bottom: 0.51 mm
- Smooth microplate top absent of alphanumeric coding facilitates flush lid mounting for use within automated systems and improves heat sealing
- Cell culture treated and sterile, available without surface treatment and non-sterile upon request
- Microplates are shrink-wrapped in recyclable PET bags with a stack bottom tray enclosure for optimal protection of the film bottom.