

Vision Plate™ 384 Well



190 µm clear base imaging microplate, black frame

- ✔ Vision Plates™ have been designed for high content screening (HCS) assays in drug development and related areas
- ✔ They are also suitable for homogeneous assays, employing fluorescence intensity, FRET and TR-FRET where measurements are bottom-read
- ✔ The high-quality optical base plate assures the necessary accuracy and consistency for automated high throughput systems, generating optimum signal-to-noise ratios
- ✔ Using state-of-the-art manufacturing technology, we have developed a product which offers several key advantages to the end user
- ✔ Vision Plates™ are assembled using unique patented laser welding technology which reduces autofluorescence and does not inhibit cell growth
- ✔ Available with 190 µm polystyrene base
- ✔ Available TC treated: our advanced tissue-culture (TC) treatment method evenly coats each well for optimal cell adhesion properties for highest reproducibility between wells, plates and batches

Key Features

- ✔ Leak free
- ✔ Free from DNase, RNase, human genomic DNA, and cyto-toxic

Wells

- ✔ Optimum signal-to-noise ratios
- ✔ Wicking and bubble formation eliminated
- ✔ Good cell adhesion

Frame

- ✔ SBS footprint
- ✔ Alphanumeric grid reference

Use

- ✔ Recommended for confocal microscopy due to reduced cross-talk and superior base flatness
- ✔ Suitable for homogeneous assays
- ✔ Reduced autofluorescence ensures their suitability for fluorescent assays
- ✔ Suitable for use in BMG lab tech, Molecular Devices, Promega Glomax and other plate readers
- ✔ Suitable for assays that measure absorbance in the visible light range (400-900 nm wavelengths)
- ✔ Suitable for adhesive and heat sealing: our Moisture Barrier Seal 384 (4ti-0516/384) is recommended as it is optically clear and allows repeated imaging without removal, reducing contamination risks
- ✔ Suitable for colorimetric assays

Options

- ✔ Available with 190 µm polystyrene base
- ✔ Collagen 1 treated option available (4ti-0205)
- ✔ All plates come sterilized, apart from 4ti-0204
- ✔ Poly D-Lysine treated option available (4ti-0206)
- ✔ TC treated option available (4ti-0201)
- ✔ Available barcoded upon request

Specifications

Parameter	Value
Plate length	127.76 ± 0.25 mm
Plate width	85.48 ± 0.25 mm
Plate height	14.35 ± 0.25 mm
Well depth	11.35 ± 0.25 mm
Well diameter	3.70 ± 0.10 mm
Distance to center of A1 from top edge	8.99 ± 0.25 mm
Distance to center of A1 from left edge	12.13 ± 0.25 mm
Pitch (distance between A1 and A2)	4.50 mm

Ordering Information

Code	Details	Quantity
4ti-0201	sterile, TC treated	24 plates + 24 lids
4ti-0203	sterile	30 plates
4ti-0204	non-sterile, untreated	30 plates
4ti-0205	sterile, Collagen 1 treated	24 plates + 24 lids
4ti-0206	sterile, Poly D-Lysin treated	24 plates + 24 lids
Lids		
4ti-0280	384 Well Microplate Lid	100 lids
4ti-0281	384 Well Microplate Lid, sterile	100 lids