

# 384 Well Assay Plate



## 0.12 ml rounded square wells, flat base, polystyrene, cut corner A1/P1

- ✔ The 4titude 384 well black assay plate has been specifically designed for fluorescence and scintillation applications
- ✔ It is also suitable for homogeneous assays employing fluorescence intensity, FRET and TR-FRET where measurements are top-read
- ✔ This high quality plate assures the necessary accuracy and consistency for automated high throughput systems, generating optimum signal to noise ratios
- ✔ The 384 well white solid bottom assay microplate has been specifically designed for luminescence applications, such as Luciferase Reporter Assays
- ✔ It reduces well-to-well crosstalk, and the solid white color boosts signal in cases of low signal from some or all the wells
- ✔ The non-treated clear microplate is ideal for colorimetric assays and sample storage
- ✔ The rounded square wells eliminate wicking (capillary action)
- ✔ The flat bottom is ideal for optical reading

### Key Features

- ✔ Made from polystyrene, a hard material with optical clarity
- ✔ Leak-free
- ✔ Free from DNase, RNase, human genomic DNA, and endotoxin/pyrogen

### Wells

- ✔ Flat bottom wells, suitable for optical imaging and cell culture application
- ✔ Rounded square wells, to ensure the best use of space
- ✔ Wicking and bubble formation eliminated

### Frame

- ✔ Alphanumeric grid reference to aid well and sample identification
- ✔ SBS footprint

### Use

- ✔ Best used for cell culture, fluorescence, luminescence, imaging and light assays, ELISA, and homogeneous assays
- ✔ Recommended for top reading fluorescence instrumentation
- ✔ Compatible with plate readers and ideal for use with automation
- ✔ Suitable for use in BMG labtech, Molecular Devices, Promega Glomax and other plate readers; for full instrument compatibility please contact us

### Options

- ✔ Black assay microplate, for low background fluorescence and minimum light scattering
- ✔ White microplate, for low background fluorescence and minimization of light scattering; suitable for fluorescent and light assays and imaging, and recommended for top reading fluorescence instrumentation
- ✔ The clear microplate offers the best solution for absorption, ELISA, spectrophotometric and colorimetric assays, and storage applications
- ✔ Non-sterile as standard; sterilization available upon request
- ✔ Available barcoded upon request
- ✔ Our Moisture Barrier Seal 384 (4ti-0516/384) is recommended as sealing option, as it is optically clear and allows repeated imaging without removal, reducing contamination risks
- ✔ Lids available

### 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-0254	clear	100 plates
4ti-0264	black	100 plates
4ti-0274	white	100 plates
<b>Lids</b>		
4ti-0280	384 Well Microplate Lid	100 lids
4ti-0281	384 Well Microplate Lid, sterile	100 lids



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.