

384 Well Small Volume™ UV-Star®

Black UV-transparent Small Volume™ Microplates

For a number of years, UV-Star® microplates have been used for UV-spectroscopy, especially for the determination of nucleic acid or protein concentrations in aqueous sample solutions. UV-Star® microplates are available in 96 well, 96 well half area, classical 384 well, and a new 384 well Small Volume™ format.

The Small Volume™ microplates feature a film bottom thickness of 140 µm, allowing reduction in sample volume without loss of signal intensity. Black wells with a transparent film bottom reduce crosstalk, ideal for fluorescence and transmission measurements.

The UV-Star® polymer is resistant against polar solvents such as DMSO, has excellent optical properties with low background in the lower UV, and a refractive index similar to glass of 1.53. Exceptional acoustic transmission of the film bottom facilitates use of UV-Star® microplates in acoustic liquid handling applications.

Applications:

- Fluorescence and transmission measurements
- Determining concentration of DNA and protein solutions
- Compound storage and acoustic liquid handling
- Sample reduction (working volume below 20 µl) similar to 1536 well without loss in signal

<h3>Key Facts</h3> <ul style="list-style-type: none"> ➤ Mathematical well capacity: 28 µl ➤ Working volume: 4 - 25 µl ➤ Transmission in lower UV ➤ Low background, reduced crosstalk ➤ Refractive index: 1.53 ➤ DMSO resistant ➤ Space saving reduced plate height: 7.5 mm ➤ ANSI 1-2004 footprint: 127.76 x 85.48 mm 	 <div style="position: absolute; top: 0; right: 0; background-color: red; color: white; transform: rotate(45deg); padding: 5px; font-weight: bold; font-size: 1.2em;">NEW</div> <div style="position: absolute; bottom: 10px; left: 10px; font-size: 0.8em;"> <p>Free of detectable DNase, RNase, human DNA non-pyrogenic</p> <p>non-cytotoxic</p> </div>
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Ordering Information			
Cat. No.	Product Description	Quantity per Bag	Quantity per Case
788 876	384 well Small Volume™ UV-Star® microplate, black, clear film bottom	10	80