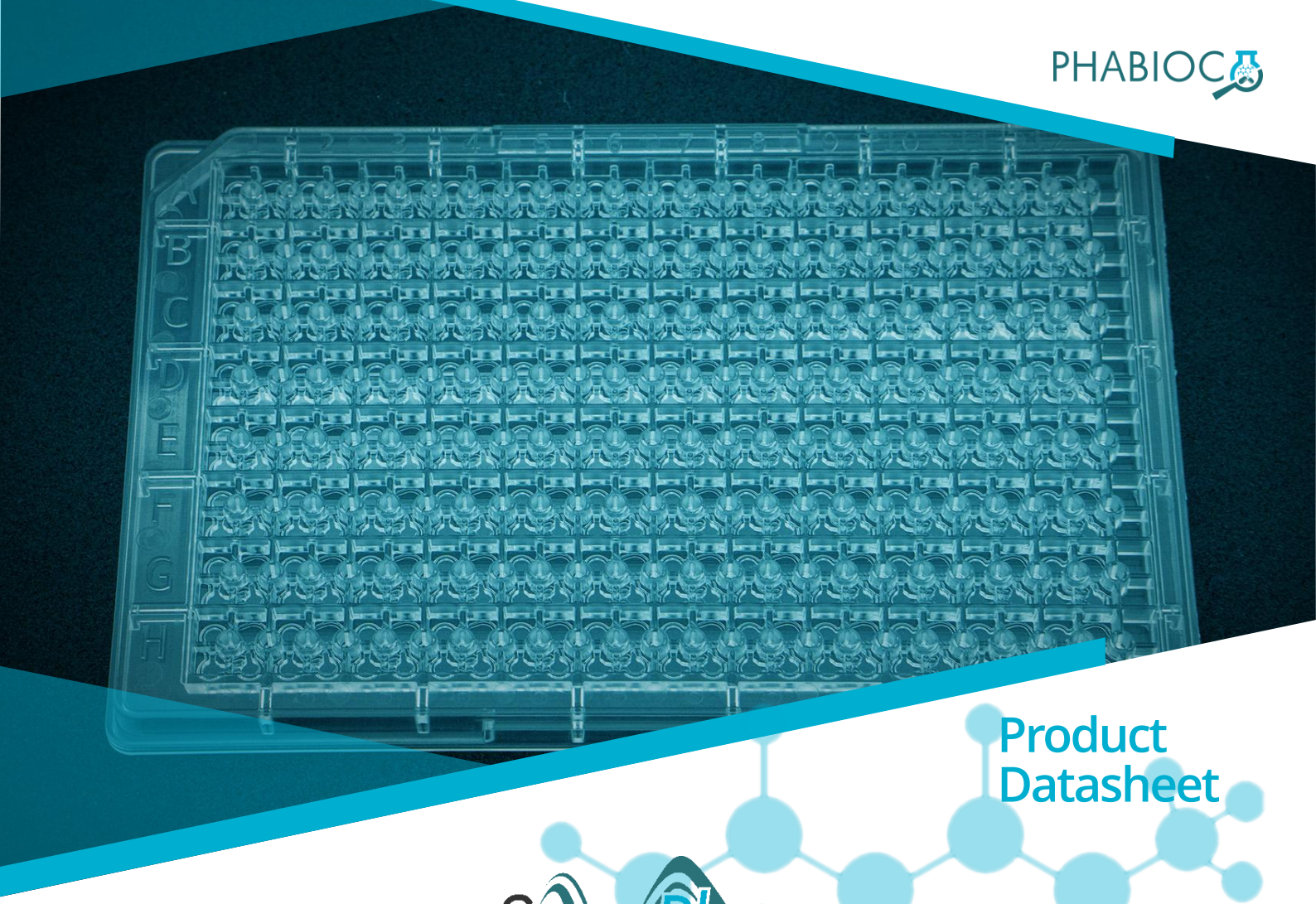


Product Datasheet

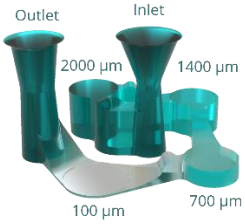
SpecPlate

96 Well Multiwellplate

Item-No. 400100

Meet SpecPlate, our revolutionary 96-well plate, and usher on a new era of absorbance measurements for process development and quality control. Featuring a unique design with 4 measuring chambers in each well, SpecPlate efficiently captures up to 4 data points per well. This not only streamlines your workflow but also improves reproducibility and slashes consumable costs. Experience the seamless harmony between innovation and best practices, as SpecPlate integrates effortlessly into high-throughput workflows using the standardized format of plate reader-based analysis.

1.	**Description / Specification**	
1.1	Description	SpecPlate multiwell plate, 96 well, F-bottom (flat), alphanumeric well coding, 1 well consists of 4 measuring structure in a 384-well format
1.2	Dimension	See Customer Drawing Foil: 135 µm (± 10 µm)
1.3	Volume	Working volume: 36 µL
1.4	Material / Resin	Plate and foil: Cycloolefine, free of heavy metal
1.5	Color	clear
1.6	Sterilization	No
1.7	Quality Control	- Raw Material-Control: physical testing - Product-Control: testing of attributive and variable characteristics in accordance with the valid specification
1.8	Intended Use	A specially designed laboratory product for use in plate-based UV/Vis spectroscopy, intended for use by qualified personnel in a laboratory environment.
1.9	Other Information	- For single use only - For research use only. Not for use in diagnostics procedures. - a calibration run with known concentrations of the target molecule is recommended

2.	**Features**	
2.1	Basic Features	- Free of detectable DNase/RNase, human DNA and pyrogens - A special measuring structure with microfluidic structures is employed. An inlet is connected with an outlet, with four measuring chambers situated between them. The following specific chamber heights have been determined by quality control: 2072 µm, 1470 µm, 760 µm, and 136 µm 
2.2	Temperature range	For application: -20°C to +40°C
2.3	Autoclavability	No
2.4	Centrifugation, max. RCF	N/A
2.5	Chemical Resistance	See homepage: https://phabioc.com/en/media/

2.6	Spectral Transmission	https://phabioc.com/wp-content/uploads/2026/06/Datasheet_SpecPlate_PHABIOC_Transmission.pdf
2.7	Shelf Life	N/A
2.8	Other Information	Certificate of Quality on request

3.	**Packaging**	
3.1	Pieces / Bag	10
3.2	Pieces / Box	40
3.3	Lot-No.	
3.4	Other Information	-

4.	**Other Information**
	-

DISCLAIMER: The description of a certain product can only be considered as guidance, because its performance ultimately depends on what the product is used for. Very often performance studies are indispensable.

Data Sheet subject to change without notice!

Revision 03: 01.07.2026