



4 Assay plates

Many automated high throughput processes in the Life Sciences, such as compound, high-throughput screening and high-content analyses, are reliant on the use of assay plates. Based on their compliance with ANSI/SLAS standards, almost all assay plates are suitable for commonly available plate readers and washers.

BRANDplates® microplates and multiwell plates are manufactured under advanced, ISO class 7 cleanroom conditions and packaged using a fully automated process. This ensures the highest possible purity, even for non-sterilized assay plates.

With available 24-, 96-, 384- and 1536-well formats and nine different surfaces created through specialized plasma treatments and coatings, they are the perfect choice for applications in microbiology, immunology, or cell culture. Depending on their pigmentation, they can be used for colorimetric, luminescence or fluorescence assays. Clear, multicolored alphanumeric codes ensure unique sample identification, and offer the option of delivering assay plates with customer-specified bar codes.

4.1 Non-treated microplates

- pureGrade™
- pureGrade™ S

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4.2 Microplates for Immunoassays

- immunoGrade™
- hydroGrade™
- lipoGrade™

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4.3 Microplates for cell culture

- cellGrade™
- cellGrade™ plus
- cellGrade™ premium
- inertGrade™

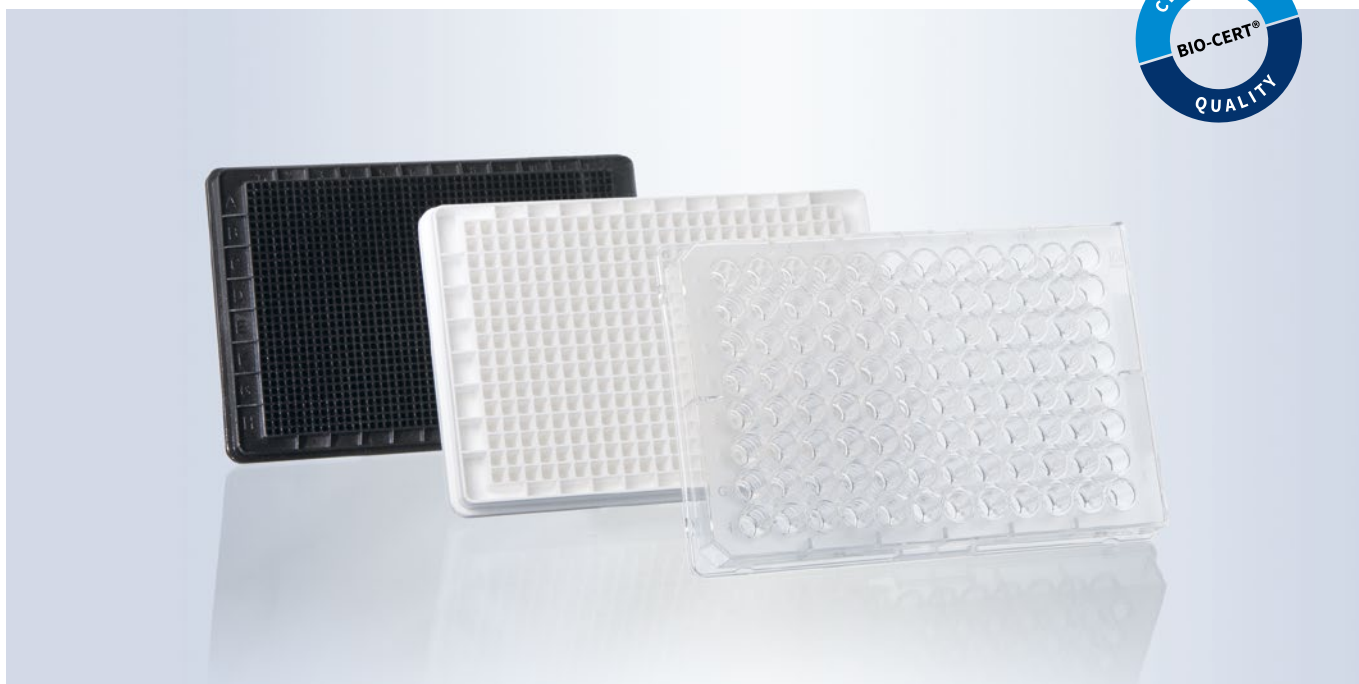
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4.4 Cell culture inserts

- Multiwell plates
- Individual inserts
- Insert strips
- Insert 2in1

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4.1 Non-treated plates

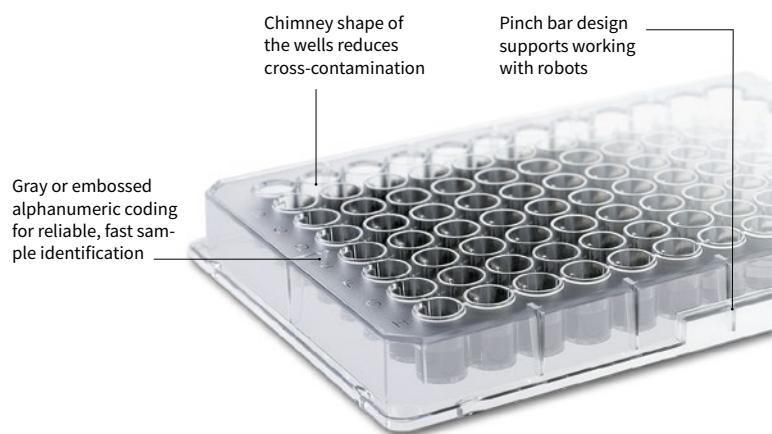


- ✓ Optimal surfaces for optimal results
- ✓ Reliable quality from the cleanroom
- ✓ Versatile use for assays and storage

BRANDplates® microplates pureGrade™ | pureGrade™ S

BRANDplates® pureGrade™ and pureGrade™ S microplates are manufactured from pure, newly synthesized polystyrene (PS). The raw materials used in the plates fulfill the relevant requirements of the USP and ISO 10993. Automated, ISO class 7 cleanroom production ensures the best possible cleanliness.

Grey alphanumeric codes on white and black 96-well microplates facilitate sample identification and reduce the risk of errors.



Applications

- + Dilution series
- + Homogenous assays
- + Screenings
- + Sample storage
- + DNA, RNA and protein quantification
- + Fluorescence and luminescence assays
- + Bacteriological assays

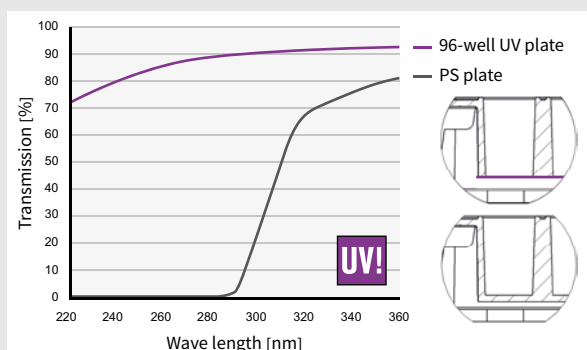
Features

- + High purity, crystal-clear polystyrene
- + Hydrophobic surface
- + For all ANSI/SLAS conforming analytic equipment
- + Medium binding surface (ELISA)
- + Available sterile and non-sterile
- + Available with barcode

User information

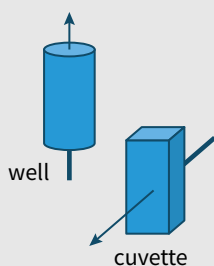
Transmission properties

BRANDplates® with UV-transparent film bases



- Slightly hydrophylized for homogeneous meniscus formation
- Ideal alternative to cuvette measurement with a large number of samples
- For microplate-based nephelometry in the UV-VIS range

Technical data sheets for BRANDplates® microplates are available at www.brand.de



BRANDplates® UV-transparent

UV-cuvette micro (z = 8.5 mm)

UV-cuvette micro (z = 15 mm)

Volume (approx.)	Light path
165.0 µl 322.5 µl	5 mm 10 mm
70 - 850 µl	10 mm
70 - 550 µl	10 mm

Types

pureGrade™

- Non-treated, non-sterile surface
- The standard plate for most applications
- Particularly applicable for homogenous assays, screening, and for storage.

pureGrade™ S

- Non-treated, sterile surface
- Sterilized via β -radiation
- Especially suited for bacteriological assays

Accessories

Reagent reservoirs

PP, high clarity. Capacity 60 ml.
Autoclavable (121 °C).



Description	Lid	Pack of	Cat. No.
non-sterile	with	10 pieces	703459
sterile	without	100 pieces (indiv. wrapped)	703411
sterile	without	200 pieces (40 bags of 5)	703409

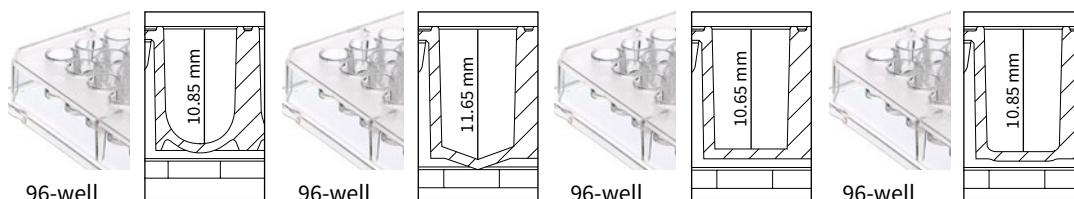


Information on our single and multi-channel micro-liter pipette Transferpette® S is available at shop.brand.de

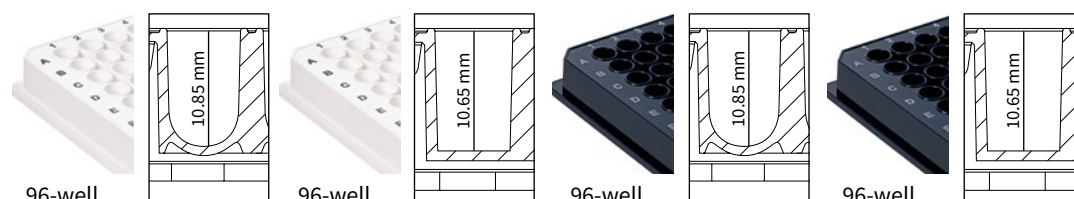
Technical information & Ordering data

96-well

Standard microplates



Bottom	U-bottom		V-bottom		F-bottom		C-bottom	
Color	transparent		transparent		transparent		transparent	
Well volume [μl]	330		360		350		350	
Working volume [μl]	40-300		40-330		50-320		50-33	
Bottom thickness [μm]	850		850		850		850	
Well surface [mm ²]	n/a		33		32		25	
		sterile		sterile		sterile		sterile
Lid	20 pieces (1 lid/stack)	50 pieces	20 pieces (1 lid/stack)	50 pieces	20 pieces (1 lid/stack)	50 pieces	20 pieces (1 lid/stack)	50 pieces
Pack of	100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)	100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)	100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)	100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)
Cat. No.	781600	781660	781601	781661	781602	781662	781603	781663



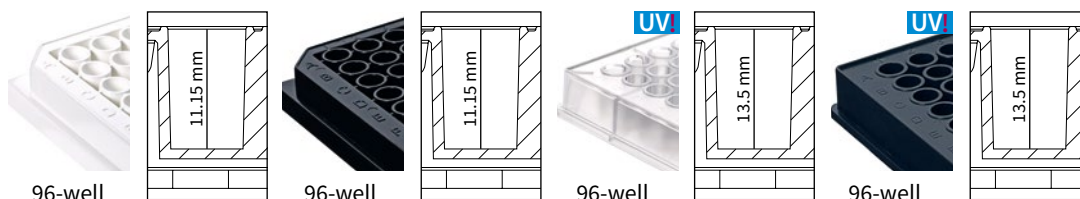
Bottom	U-bottom		F-bottom		U-bottom		F-bottom	
Color	white		white		black		black	
Well volume [μl]	330 μ		350		330		350	
Working volume [μl]	40-300		50-320		40-300		50-320	
Bottom thickness [μm]	850		850		850		850	
Well surface [mm ²]	n/a		32		n/a		32	
				sterile				sterile
Lid	20 pieces (1 lid/stack)		20 pieces (1 lid/stack)	50 pieces	20 pieces (1 lid/stack)		20 pieces (1 lid/stack)	50 pieces
Pack of	100 pieces (20 stacks of 5 plates)		100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)	100 pieces (20 stacks of 5 plates)		100 pieces (20 stacks of 5 plates)	50 pieces (individually wrapped)
Cat. No.	781604		781605	781665	781607		781608	781668

Lid for 96-well standard plate, see page 84:
without condensation rings Cat. No. 782151
with condensation rings Cat. No. 782150



96-well

with transparent bottom



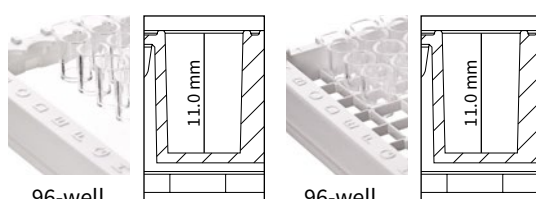
Bottom	F-bottom		F-bottom		F-bottom		F-bottom	
Color	white		black		transp., UV-transparent		black, UV-transparent	
Well volume [μl]	330 μ		330		410		410	
Working volume [μl]	50-310		50-310		50-350		50-350	
Bottom thickness [μm]	750		750		25		25	
Well surface [mm ²]	31		31		28		28	
		sterile		sterile				
Lid	–		–		–		–	
Pack of	100 pieces (4 bags of 25 plates)	50 pieces (individually wrapped)	100 pieces (4 bags of 25 plates)	50 pieces (individually wrapped)	50 pieces (5 bags of 10 plates)		50 pieces (5 bags of 10 plates)	
Cat. No.	781610	781670	781611	781671	781614		781615	



Lid for 96-well plates with transparent bottom, see page 84: Cat. No. 782155

96-well

strip plates

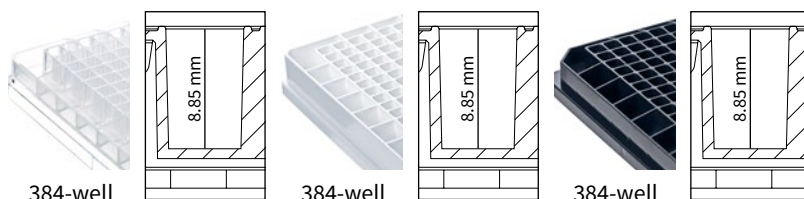


Bottom	F-bottom		F-bottom	
Color	transparent, without grid, strips of 8 wells, not divisible		transparent, with grid, strips of 8 wells, divisible	
Well volume [μl]	360		350	
Working volume [μl]	50-320		50-320	
Bottom thickness [mm]	1.1		1.1	
Well surface [mm ²]	37		37	
Lid	–		–	
Pack of	100 pieces (4 bags of 25 plates)		100 pieces (4 bags of 25 plates)	
Cat. No.	782300		782301	

continued pureGrade™, pureGrade™ S (sterile)

384-well

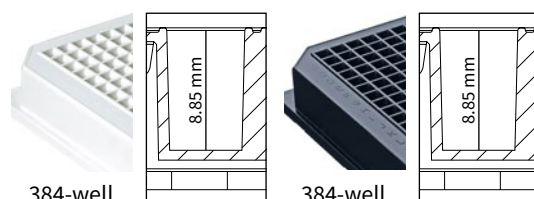
Standard microplates



Bottom	384-well		384-well		384-well	
	F-bottom		F-bottom		F-bottom	
Color	transparent		white		black	
Well volume [μl]	100		100		100	
Working volume [μl]	25-80		25-80		25-80	
Bottom thickness [μm]	650		650		650	
Well surface [mm²]	12		12		12	
		sterile		sterile		sterile
Lid	–	50 pieces	–	50 pieces	–	50 pieces
Pack of	50 pieces (5 bags of 10 plates)	50 pieces (individually wrapped)	50 pieces (5 bags of 10 plates)	50 pieces (individually wrapped)	50 pieces (5 bags of 10 plates)	50 pieces (individually wrapped)
Cat. No.	781620	781680	781621	781681	781622	781682

384-well

with transparent bottom



Bottom	384-well		384-well	
	F-bottom		F-bottom	
Color	white		black	
Well volume [μl]	120		120	
Working volume [μl]	25-100		25-100	
Bottom thickness [μm]	400		400	
Well surface [mm²]	13		13	
		sterile		sterile
Lid	–	50 pieces	–	50 pieces
Pack of	50 pieces (2 bags of 25 pieces)	50 pieces (individually wrapped)	50 pieces (2 bags of 25 pieces)	50 pieces (individually wrapped)
Cat. No.	781626	781686	781627	781687



Lid for 384-well plates,
see page 82: Cat. No. 782152

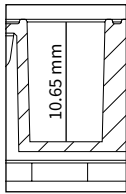


1536-well

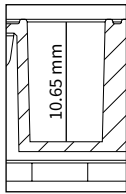
Standard
microplates



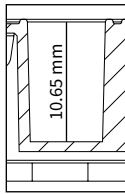
1536-well



1536-well



1536-well



Bottom	F-bottom	F-bottom	F-bottom
Color	transparent	white	black
Well volume [μl]	10	10	10
Working volume [μl]	above 2	above 2	above 2
Bottom thickness [μm]	650	650	650
Well surface [mm²]	2	2	2
Lid	–	–	–
Pack of	50 pieces (5 bags of 10 plates)	50 pieces (5 bags of 10 plates)	50 pieces (5 bags of 10 plates)
Cat. No.	781640	781641	781642



Lid for 1536-well plates,
see page 82: Cat. No. 782153

