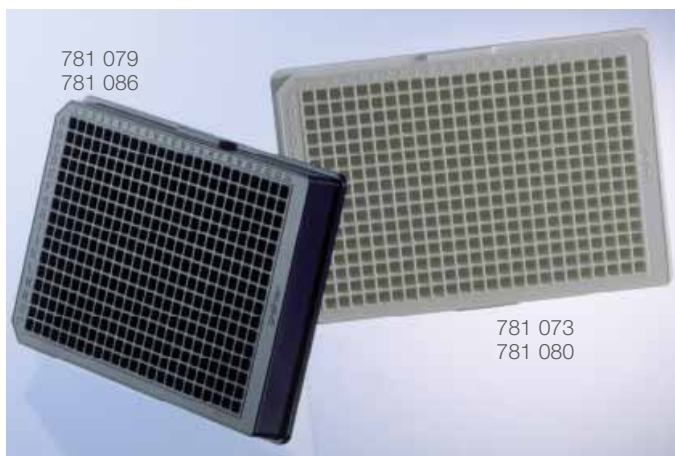


## 384 Well Polystyrene Cell Culture Microplates

384 well cell culture microplates are physically surface treated for improved cell adhesion and available in the following versions:

- ☞ Clear, white or black colour
- ☞ White or black “clear bottom” plates (µClear®)
- ☞ 384 well Small Volume™ HiBase and LoBase microplates
- ☞ Barcode-labelled on request (→ p. 14 | 4)



### 384 Well Polystyrene Cell Culture Microplates

solid bottom, clear / white / black

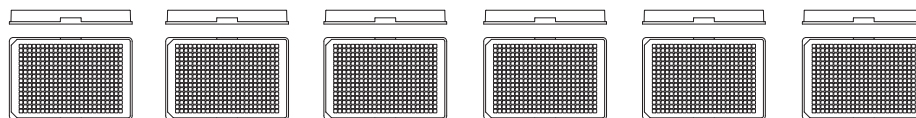
- ↳ 384 Well Microplates p. 2 | 13
- ↳ Sealers, Lids and CapMats p. 12 | 2 ff.
- ↳ Barcode Labelling p. 14 | 4

#### Properties:

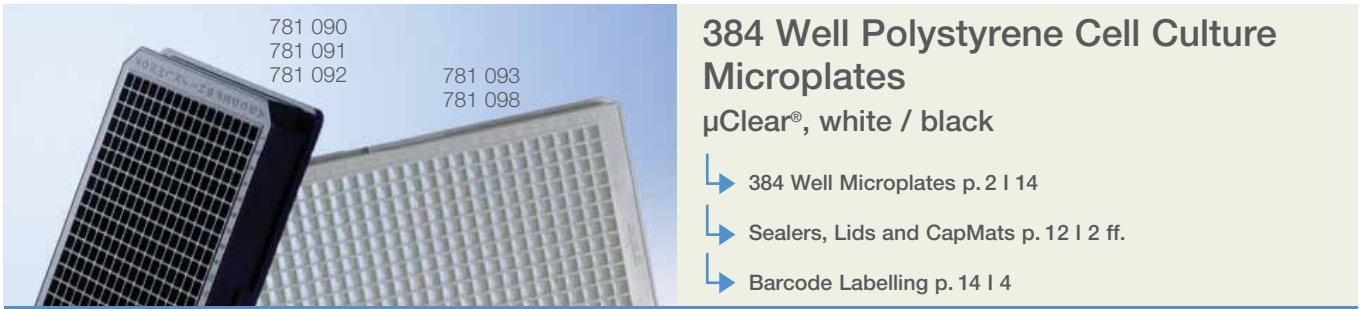
- Lid enables gas exchange with the lowest possible evaporation
- High clarity of the clear microplates for optimal microscopic examinations
- Stackable
- Alphanumeric well coding

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

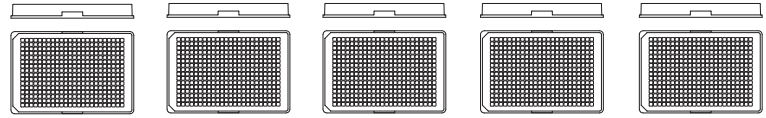
non-  
cytotoxic



Cat.-No.	781 165	781 182	781 073	781 080	781 079	781 086
Well profile	F-bottom	F-bottom	F-bottom	F-bottom	F-bottom	F-bottom
Bottom	solid	solid	solid	solid	solid	solid
Colour	clear	clear	white	white	black	black
Growth area per well [mm <sup>2</sup> ]	10	10	10	10	10	10
Working volume per well [µl]	15 – 110	15 – 110	15 – 110	15 – 110	15 – 110	15 – 110
TC surface treatment	+	+	+	+	+	+
Sterile	+	+	+	+	+	+
Lid	-	+	-	+	-	+
Quantity per bag/case	10/40	8/32	10/40	8/32	10/40	8/32



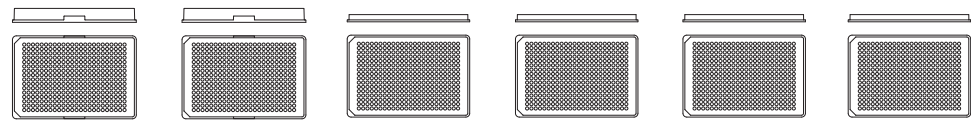
Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic



Cat.-No.	781 093	781 098	781 092	781 091	781 090
Well profile	F-bottom	F-bottom	F-bottom	F-bottom	F-bottom
Bottom	μClear®	μClear®	μClear®	μClear®	μClear®
Colour	white	white	black	black	black
Growth area per well [mm <sup>2</sup> ]	10	10	10	10	10
Working volume per well [μl]	15 – 110	15 – 110	15 – 110	15 – 110	15 – 110
TC surface treatment	+	+	+	+	+
Sterile	+	+	+	+	+
Lid	-	+	-	+	+
Quantity per bag/case	10/40	8/32	10/40	8/32	20/120



Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic



Cat.-No.	784 080	784 086	788 073	788 086	788 093	788 092
Well profile	Small Volume™	Small Volume™	Small Volume™	Small Volume™	Small Volume™	Small Volume™
Bottom	solid	solid	solid	solid	μClear®	μClear®
Colour	white	black	white	black	white	black
Growth area per well [mm <sup>2</sup> ]	2.7	2.7	2.7	2.7	2.7	2.7
Working volume per well [μl]	4 – 25	4 – 25	4 – 25	4 – 25	4 – 25	4 – 25
TC surface treatment	+	+	+	+	+	+
Sterile	+	+	+	+	+	+
Lid	+	+	-	+	-	-
Quantity per bag/case	8/32	8/32	10/80	15/60	10/80	10/80
Plate design	HiBase	HiBase	LoBase	LoBase	LoBase	LoBase

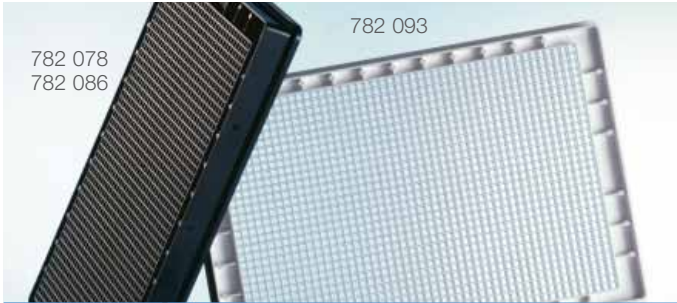
→ New → New

# 1536 Well Cell Culture Microplates

1536 well cell culture microplates are physically surface-treated for improved cell adhesion and available in the following versions:

- ↻ In clear, white or black polystyrene
- ↻ As clear bottom variants (µClear®)

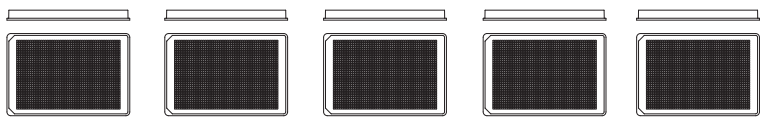
- ↻ LoBase and HiBase version (→ p. 2 | 20 f.)
- ↻ Barcode-labelled on request (→ p. 14 | 4)



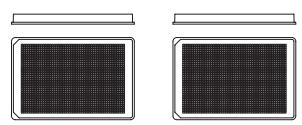
## 1536 Well Cell Culture Microplates HiBase

- ↳ 1536 Well Microplates p. 2 | 20
- ↳ Sealers, Lids and CapMats p. 12 | 2 ff.
- ↳ Barcode Labelling p. 14 | 4

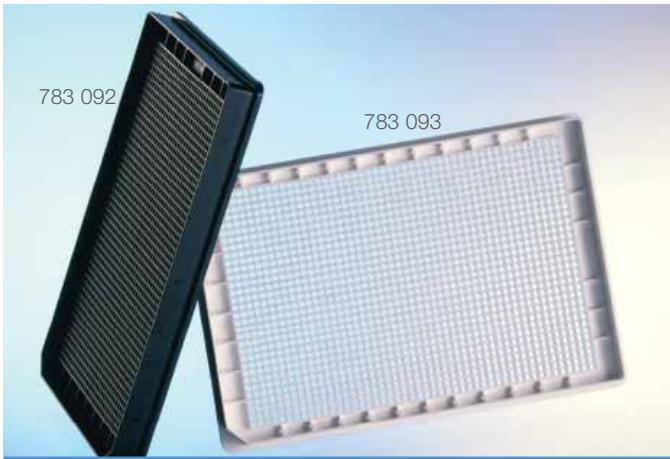
Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic



Cat.-No.	782 180	782 073	782 080	782 078	782 086
Well profile	F-bottom	F-bottom	F-bottom	F-bottom	F-bottom
Bottom	solid	solid	solid	solid	solid
Colour	clear	white	white	black	black
Growth area per well [mm <sup>2</sup> ]	2.3	2.3	2.3	2.3	2.3
Working volume per well [µl]	3 – 10	3 – 10	3 – 10	3 – 10	3 – 10
TC surface treatment	+	+	+	+	+
Sterile	+	+	+	+	+
Lid	+	-	+	-	+
Quantity per bag/case	1/32	15/60	10/40	15/60	10/40
Plate design	HiBase	HiBase	HiBase	HiBase	HiBase



Cat.-No.	782 093	782 092
Well profile	F-bottom	F-bottom
Bottom	µClear®	µClear®
Colour	white	black
Growth area per well [mm <sup>2</sup> ]	2.3	2.3
Working volume per well [µl]	3 – 10	3 – 10
TC surface treatment	+	+
Sterile	+	+
Lid	-	-
Quantity per bag/case	15/60	15/60
Plate design	HiBase	HiBase

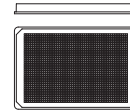
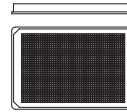


## 1536 Well Cell Culture Microplates LoBase

- ▶ 1536 Well Microplates p. 2 | 21
- ▶ Sealers, Lids and CapMats p. 12 | 2 ff.
- ▶ Barcode Labelling p. 14 | 4

Free of detectable  
DNase, RNase,  
human DNA  
non-pyrogenic

non-  
cytotoxic



Cat.-No.	783 093	783 092
Well profile	F-bottom	F-bottom
Bottom	µClear®	µClear®
Colour	white	black
Growth area per well [mm²]	2.3	2.3
Working volume per well [µl]	3 – 10	3 – 10
TC surface treatment	+	+
Sterile	+	+
Lid	-	-
Quantity per bag/case	15/60	15/60
Plate design	LoBase	LoBase

## 1536 Well SCREENSTAR Microplate

The increasing significance of High-Content Screening (HCS), which means the microscopic analysis of cells, cell growth and cell signalling in drug discovery, created a new demand for specialised microplates with excellent optical features.

To fulfill the expectations of researchers in this field of application, Greiner Bio-One developed the 1536 well SCREENSTAR microplates as a new product line especially suited for advanced microscopy in drug discovery.

### Applications:

- For automated microscopy in drug discovery such as high-content screening applications
- For fluorescence measurements in classical high-throughput microplate readers
- Suitable for all microscopic applications such as fluorescence microscopy, confocal fluorescence microscopy and bright field microscopy

### Features:

- 190 µm cycloolefin film bottom for optimum resolution even with higher magnifications
- Recessed film bottom for better access with high magnification lenses (Fig. 1)
- Low background especially in the lower UV
- Smooth microplate top absent of alphanumeric coding facilitates flush lid mounting

- Excellent cell attachment and cell growth due to cell culture treatment
- High optical quality and minimal contamination with dust and particles due to a clean room like production of the film and the microplate
- Innovative packaging for improved protection of the microplates and film bottom

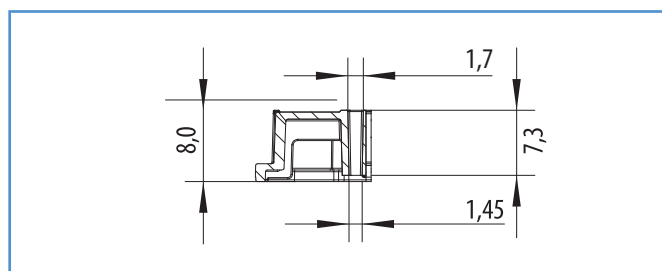
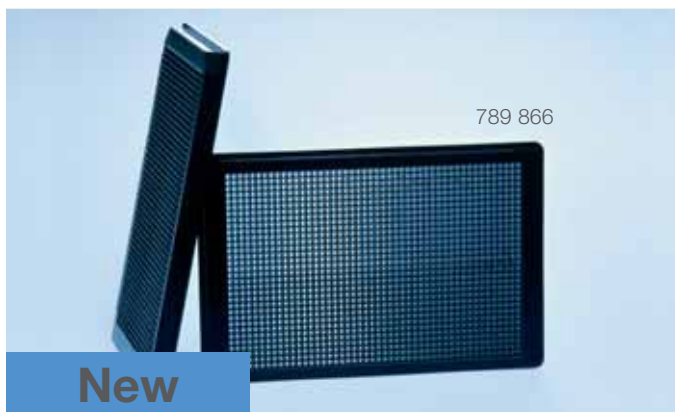


Figure 1: Well profile: 1536 well SCREENSTAR microplate

Total volume: 17.8 µl  
Working volume: 3 - 15 µl  
Growth area: 2.1 mm<sup>2</sup>  
Film bottom thickness: 190 µm  
Distance inner well bottom to microplate rim: 0.7 mm  
Distance outer well bottom to microplate rim: 0.51 mm

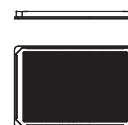


## 1536 Well SCREENSTAR Microplate

- Non-sterile, non-treated version (Cat.-No. 789 896) available on request
- 1536 Well Microplates p. 1 | 18 and 2 | 20
- 1536 Well SensoPlate™ p. 2 | 35
- Barcode Labelling p. 14 | 4

**New**

Free of detectable DNase, RNase, human DNA  
non-pyrogenic non-cytotoxic



Cat.-No.	789 866
Well format	1536 well
Well profile	F-bottom
Bottom	CO film
Colour	black
Growth area per well [mm <sup>2</sup> ]	2.1
Working volume per well [µl]	3 - 15
TC surface treatment	+
Sterile	+
Lid	-
Quantity per bag/case	17/68