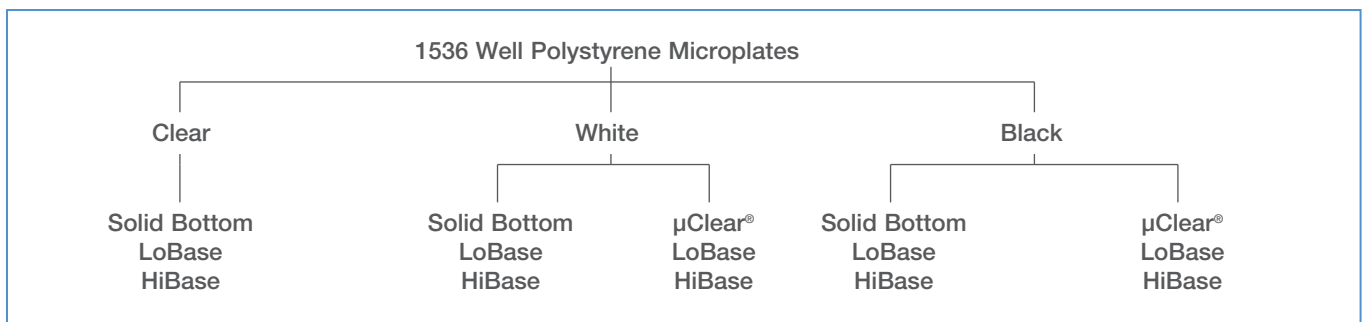


1536 Well Microplates

The highest possible degree of automation, optimal performance and cost savings continue to be the requirements placed on microplates for high-throughput screening. In 1997, shortly after the launch of the 384 well microplates, Greiner Bio-One was the first manufacturer to introduce another innovative microplate format – the 1536 well microplate. The external dimensions were the same as those used in the 96 well and 384 well microplates. However, to utilise the available space most efficiently, the number of wells was increased fourfold from 384 to 1536.

Close cooperation with numerous users has now led to the development of a broad product range, and the constant drive towards improvements in quality has, for example, led to a reduction in curvature of the plates to < 100 µm. The 1536 well microplates are available as clear bottom variants, in clear polystyrene and completely black or white in CELLSTAR®, LUMITRAC™, FLUOTRAC™ and non-binding quality. The product range has been further expanded by a 1536 Deep Well polypropylene microplate (→ p. 2 | 27).

1536 Well Polystyrene Microplates



1536 well polystyrene microplates are available in the following versions:

- Sterile
- Non-sterile
- Cell culture treated (→ p. 1 | 18 f.)
- In medium binding or high binding quality
- With or without lid

1536 Well LoBase and HiBase Microplates

Two versions of the 1536 well microplates have been developed, the LoBase version and the HiBase version. In both versions, the total well volume is 12.6 µl, with a working volume of 3 – 10 µl.

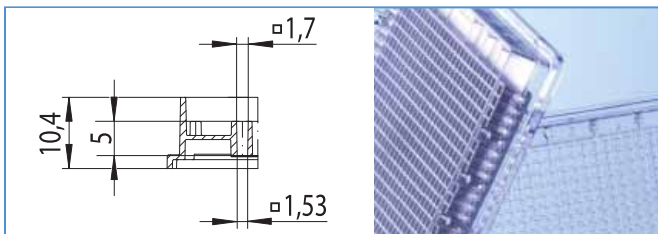


Figure 1:
Well profile: 1536 well, LoBase
Total volume: 12.6 µl
Working volume: 3 – 10 µl
Growth area: 2.3 mm²

1536 well LoBase microplates (Fig. 1):

- Ideally suited for bottom reading even at low working volumes
- Suited for transmission, fluorescence and luminescence applications
- Excellent optical properties

1536 well HiBase microplates (Fig. 2):

- Ideally suited for top reading even at low working volumes
- Suited for transmission, fluorescence and luminescence applications
- Excellent optical properties

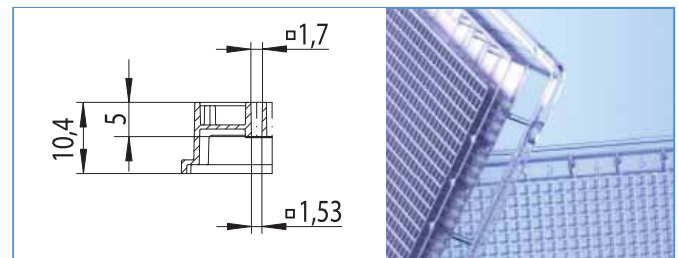


Figure 2:
Well profile: 1536 well, HiBase
Total volume: 12.6 µl
Working volume: 3 – 10 µl
Growth area: 2.3 mm²

All wells of the 1536 well microplates are rounded square wells, i.e. they are square with rounded corners (Fig. 3). This design combines the advantages of the square well, i.e. a flexible working volume of 3 – 10 µl with the advantages of a round well, such as reduced wicking and bubbling.

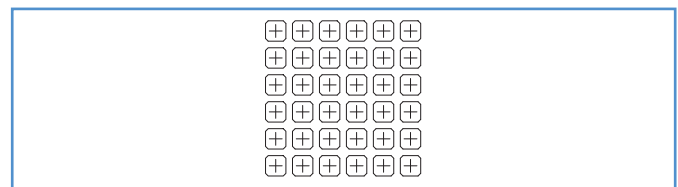
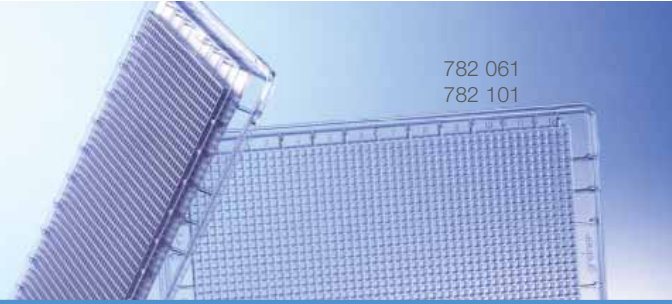


Figure 3:
The rounded square well design

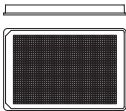
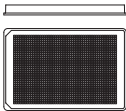
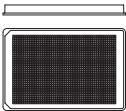
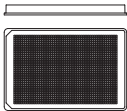
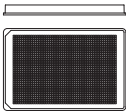
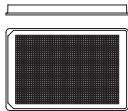
1536 Well Microplates



1536 Well HiBase Microplates
solid bottom, clear / white / black

Cell Culture Microplates p. 1 | 18

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



Cat.-No.	782 101	782 061	782 075	782 074	782 076	782 077
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
Binding	-	MICROLON® 600 high binding	LUMITRAC™ 200 med. binding	LUMITRAC™ 600 high binding	FLUOTRAC™ 200 med. binding	FLUOTRAC™ 600 high binding
Sterile	-	+	-	+	-	+
Lid	-	-	-	-	-	-
Quantity per bag/case	15/60	15/60	15/60	15/60	15/60	15/60
Plate design	HiBase	HiBase	HiBase	HiBase	HiBase	HiBase

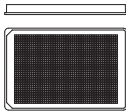
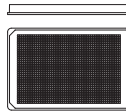
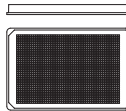
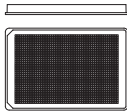


1536 Well HiBase Microplates
µClear®, white / black

Cell Culture Microplates p. 1 | 18

1536 Well SCREENSTAR Microplate p. 1 | 20

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



Cat.-No.	782 095	782 094	782 097	782 096
Well profile	F-bottom	F-bottom	F-bottom	F-bottom
Bottom	µClear®	µClear®	µClear®	µClear®
Colour	white	white	black	black
Binding	med. binding	high binding	high binding	med. binding
Sterile	-	+	+	-
Lid	-	-	-	-
Quantity per bag/case	15/60	15/60	15/60	15/60
Plate design	HiBase	HiBase	HiBase	HiBase

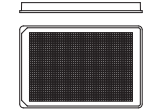
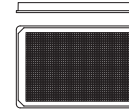
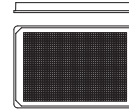
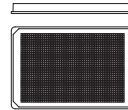
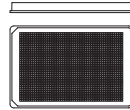


1536 Well LoBase Microplates

solid bottom, clear / white / black
μClear®, white / black

- ▶ Cell Culture Microplates p. 1 | 19
- ▶ 1536 Well SCREENSTAR Microplate p. 1 | 20
- ▶ Available in high binding quality on request

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



Cat.-No.	783 101	783 075	783 076	783 095	783 096
Well profile	F-bottom	F-bottom	F-bottom	F-bottom	F-bottom
Bottom	solid	solid	solid	μClear®	μClear®
Colour	clear	white	black	white	black
Binding	-	LUMITRAC™ 200 med. binding	FLUOTRAC™ 200 med. binding	med. binding	med. binding
Sterile	-	-	-	-	-
Lid	-	-	-	-	-
Quantity per bag/case	15/60	15/60	15/60	15/60	15/60
Plate design	LoBase	LoBase	LoBase	LoBase	LoBase