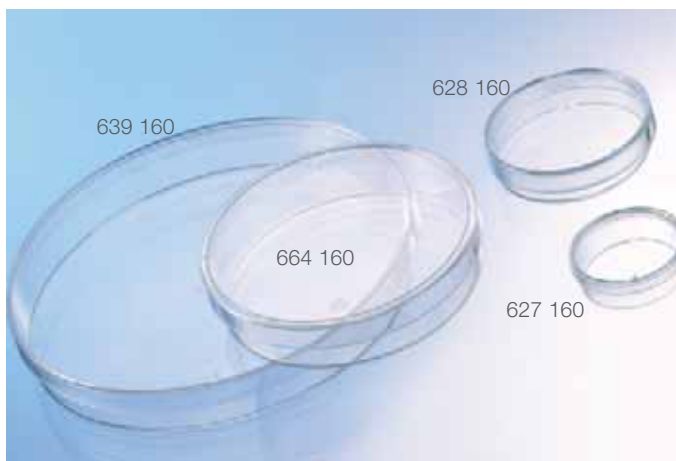


## CELLSTAR® Cell Culture Dishes



### Cell Culture Dishes

- Improved cell adhesion through physical surface treatment
- Vents ensure optimal gas exchange
- Sterile and user-friendly packaging
- Available in the sizes 35, 60, 94, 100 and 145 mm ø
- 8.7 to 143 cm<sup>2</sup> growth areas
- Easy stacking
- Maximal transparency for excellent microscopic analysis
- **New:** 35 ø dish also available with 4 internal wells

Like all Geiner Bio-One products, cell culture dishes are manufactured according to our high quality standards. Dishes are available in a wide variety of different dimensions and growth areas. In the case of 58 cm<sup>2</sup> and 143 cm<sup>2</sup> dishes, an extra high profile with a height of 20 mm is available.

For exact dimensions of our cell culture dishes, please refer to the product data sheets on our website.

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

non-cytotoxic

Cat.-No.	<b>627 160</b>	<b>627 170</b>	<b>628 160</b>	<b>632 171</b>
ø [mm] x height [mm]	35 x 10	35 x 10	60 x 15	94 x 16
Growth area [cm <sup>2</sup> ]	8.7	0.93/well	21	58
Total volume [ml]	10	10	28	80
Working volume [ml]	5	0.1/well	6 – 7	15 – 16
Vents	+	+	+	-
TC surface treatment	+	+	+	+
Sterile	+	+	+	+
Quantity per bag/case	10/740	10/740	10/600	10/480

New

Cat.-No.	<b>664 160</b>	<b>639 160</b>
ø [mm] x height [mm]	100 x 20	145 x 20
Growth area [cm <sup>2</sup> ]	58	143
Total volume [ml]	100	240
Working volume [ml]	16 – 17	25 – 27
Vents	+	+
TC surface treatment	+	+
Sterile	+	+
Quantity per bag/case	15/360	5/120

## CELLview™ – Cell Culture Dish with Glass Bottom

The CELLview™ cell culture dish combines the convenience of a standard size 35 mm disposable plastic cell culture dish with the optical quality of glass, providing superior high-resolution microscopic images of in-vitro cultivated cultures.

It is made from high-grade polystyrene combined with an integrated glass bottom. The innovative design of the cell culture dish provides a single-plane, flat bottom with a consistent working distance and maximal planarity. Moreover, the dish bottom configuration facilitates optimal thermal conductivity and avoids thermal variations in heated platforms used for live cell imaging.

The subdivided version of the CELLview™ enables simultaneous multiplex analyses of different cell lines, various stimulations or diverse transfections. Quartering the cell culture dish provides four individual compartments with a growth area of approximately 1.9 cm<sup>2</sup>, allowing minimisation of cells and reagents required per individual assay.

In addition to the untreated glass surface, Greiner Bio-One provides a **tissue culture surface treatment** as well as the innovative **Advanced TC™ surface modification** (→ p. 1 | 27) to enhance the attachment of adherent cells, thus eliminating the need for protein coating in many cases.

The high optical quality of the glass coverslip assures accurate planarity and inhibits any depolarisation of light.

### Glass bottom features:

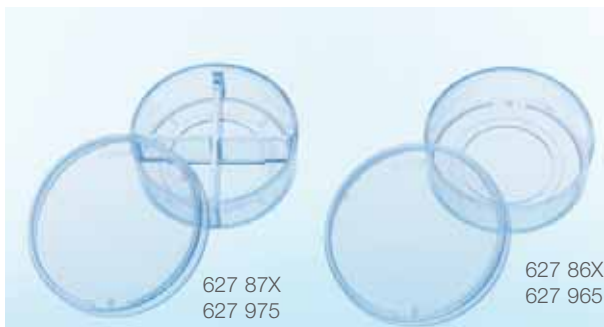
- High transparent achromatic borosilicate glass; hydrolytic class 1 (DIN ISO 719)
- Glass thickness 175 µm +/- 15 µm
- Maximal spectral transmission; no autofluorescence
- Exceptional planarity
- Manufactured according to ISO 8255-1:1986 (Optics and optical instruments - Microscopes - Cover glasses)



Further information on CELLview™

→ Application Note “Protein localisation using confocal laser scanning microscopy” (F073 101)

→ Application Note “Live cell imaging on Golgi morphology using the CELLview™ dish” (F074 048)



## CELLview™

### Advantages:

- Subdivided version enables simultaneous multiplex analysis
- Embedded glass bottom for maximal planarity
- Additional TC surface treatment and Advanced TC™ surface modification available

### Applications:

- Phase contrast microscopy
- Fluorescence microscopy
- Confocal microscopy
- Live cell imaging
- Differential interference contrast microscopy
- Polarised light microscopy
- Fluorescence-in-situ-hybridisation (FISH)

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

non-  
cytotoxic



Cat.-No.	627 870	627 975	627 871	627 860	627 965	627 861
Description	CELLview™ cell culture dish	CELLview™ cell culture dish	CELLview™ cell culture dish	CELLview™ cell culture dish	CELLview™ cell culture dish	CELLview™ cell culture dish
Bottom	glass	glass	glass	glass	glass	glass
No. of compartments	4	4	4	1	1	1
ø [mm] x height [mm]	35 x 10	35 x 10	35 x 10	35 x 10	35 x 10	35 x 10
Growth area [cm <sup>2</sup> ]	1.9/compartment	1.9/compartment	1.9/compartment	8.7	8.7	8.7
Total volume [ml]	1.5/compartment	1.5/compartment	1.5/compartment	10	10	10
Working volume [ml]	0.1/0.5*)	0.1/0.5*)	0.1/0.5*)	5	5	5
Surface treatment	TC	Advanced TC™	-	TC	Advanced TC™	-
Sterile	+	+	+	+	+	+
Quantity per bag/case	10/40	10/40	10/40	10/40	10/40	10/40

\*) 0.1 ml for seeding or staining only on glass area; 0.5 ml for cultivation in the complete compartment

1 Cell/  
Tissue Culture

2 HTS-  
Microplates

3 Immunology/  
HLA

4 Microbiology/  
Bacteriology

5 Tubes/Multi-  
Purpose Beakers

6 Liquid  
Handling

7 Molecular  
Biology

8 Protein  
Crystallisation

9 Separation

10 Biochips/  
Microfluidics

11 Cryo-  
Technics

12 Lids/Sealers/  
CapMats

13 Reaction Tubes/  
Analyser Cups

14 Accessories

## CELLSTAR® OneWell Plate™ and FourWell Plate™

### CELLSTAR® OneWell Plate™ Non-divided plate for tissue culture applications

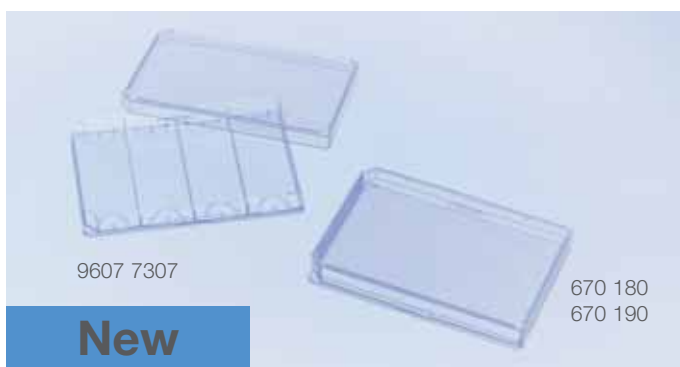
The new CELLSTAR® OneWell Plate™ can be used if large quantities of cells have to be cultivated. The external dimensions comply with ANSI standards to render the plate suitable for use on a wide range of cell culture and liquid handling systems. With a growth area of 95 cm<sup>2</sup>, the OneWell Plate™ fills the gap between the growth areas of 58 cm<sup>2</sup> (Cat.-No. 664 160) and 143 cm<sup>2</sup> (Cat.-No. 639 160) in the cell culture dish product range. Handling and the required incubator space are improved compared to a round cell culture dish. Notches on the left side of the plate and the lid ensure a secured lid position. The TC-treated version is provided with a proprietary physical surface treatment increasing the hydrophilicity of the plate and facilitating the cultivation of adherent cells. As with all Greiner Bio-One CELLSTAR® products, the CELLSTAR® OneWell Plate™ is made of high grade polystyrene and is guaranteed to be sterile, non-pyrogenic, non-cytotoxic and free of detectable DNase, RNase and human DNA.

Beside general tissue culture applications the CELLSTAR® OneWell Plate™ can be used as a multipurpose liquid container or disposable for the denaturation, hybridisation and washing of membranes (Southern, Northern and Western Blot).

### CELLSTAR® FourWell Plate™ Subdivided plate for microscopic applications

The new CELLSTAR® FourWell Plate™ facilitates the cultivation of cells and the storage of microscopic slides in an HTS - compatible plate complying with the ANSI standard. With its four subdivisions the plate offers space for four individual slides with standard dimensions and enables four parallel experiments. Cells and tissue samples cultivated on these slides can be supplied quickly with fresh media and can be examined directly under a microscope. Thereafter, samples can also be fixed and analysed by immunohisto- and immunocytochemical techniques. Notches on the left side and a numbering of each individual compartment make a laterally reversed usage or confusion of samples impossible.

A semicircular recession at the top and at the bottom of each compartment enables easy removal and handling of slides. The two pins at the left and right side of the semicircular recession hinder the microscopic slide to adjoin the outer rim of the plate and to fully cover the recession. This guarantees that the slide can always be removed manually from the compartment even if it adheres to the plate bottom due to capillary forces. Beyond the indicated microscopic applications, the CELLSTAR® FourWell Plate™ can also be used as a liquid container or disposable for the denaturation, hybridisation and washing of membranes (Southern, Northern and Western Blot).



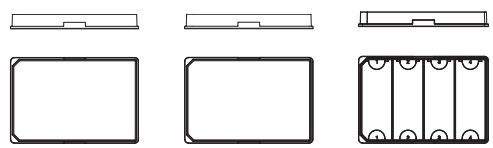
**OneWell Plate™**  
**FourWell Plate™**

CELLSTAR® OneWell Plate™ (non-sterile) for bacteriological applications p. 4 | 4

**New**

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

non-cytotoxic



Cat.-No.	670 180	670 190	9607 7307
Description	OneWell Plate™	OneWell Plate™	FourWell Plate™
No. of chambers	1	1	4
Length [mm] x width [mm]	127.8 x 85.5	127.8 x 85.5	127.8 x 85.5
Height [mm]	14.4	14.4	14.4
Total volume [ml]	113.7	113.7	18.6/well
Growth area [cm <sup>2</sup> ]	95	95	-
Notches	+	+	+
TC surface treatment	+	-	-
Sterile	+	+	+
Lid	+	+	+
Quantity per bag/case	8/32	8/32	8/32