

Drug Discovery

Research

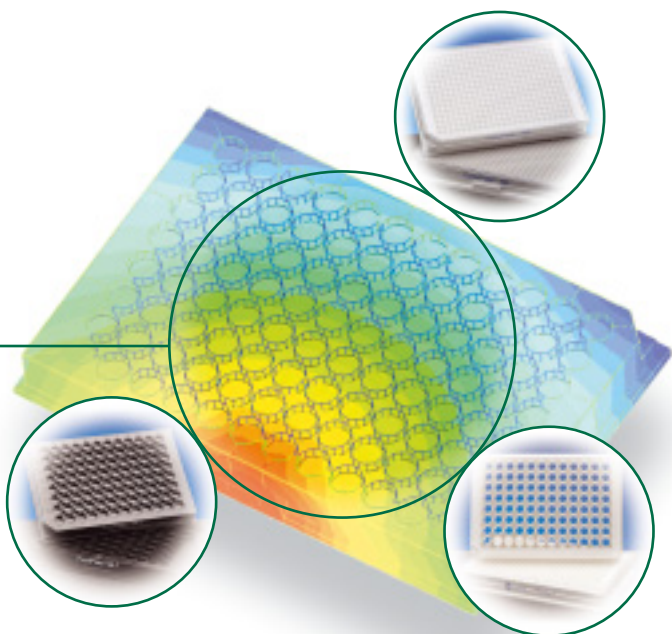
Clinical Screening



Microplates

PerkinElmer Microplates for Life Science Research

a complete overview



Dear Life Science Researcher,

This booklet provides an overview of all PerkinElmer microplate products. We are proud to offer this complete range of application-focused microplates that has been developed by carefully listening to your needs and requests.

Over the years, our knowledge of microplate-based technologies has resulted in different state-of-the-art reagents, microplate readers and liquid handling systems. All these microplate-based platforms require high-quality microplates to obtain accurate and reliable results. This has stimulated us to develop a full range of microplates, focused primarily on PerkinElmer supported applications to guarantee trouble-free operation. It is this synergistic approach of providing instruments, reagents, supplies and service, that distinguishes PerkinElmer from the general labware supply houses!

For more comprehensive information on all PerkinElmer Life Sciences products, please visit our web site at www.perkinelmer.com/lifesciences

Table of contents:	Page
Standard Microplates for General Assays	3
Cell Culture Microplates	5
Dedicated Microplates for Scintillation Counting	7
Filter & Harvesting Microplates	9
Microplates for DELFIA Assays	10
Seals and Supplies	11
Microplate Volume Discounts !	12
Microplate Services	13
Innovative Design Improvements	14
PerkinElmer: The Total Solution Provider !	15

All sample packs mentioned on the following pages are restricted to one per address.

Standard Microplates for General Assays

Standard, opaque OptiPlates™

for general isotopic, fluorescence, LANCE™, [FP]², AlphaScreen™ or luminescence assays

	<u>Pcs</u>	<u>Part Nr.</u>
OptiPlate-24 , white, 24-well	100	6005186
OptiPlate-96 , white, 96-well	SP5	6005291
	50	6005290
	200	6005299
OptiPlate-384 , white, 384-well	SP5	6007291
	50	6007290
	200	6007299
OptiPlate-1536 , white, 1536-well	SP1	6005236
	20	6005228
OptiPlate-96 F , black, 96-well	SP5	6005271
	50	6005270
	200	6005279
OptiPlate-384 F , black, 384-well	SP5	6007271
	50	6007270
	200	6007279
OptiPlate-1536 F , black, 1536-well	20	6005235

Shallow well, opaque ProxiPlates™

for enhanced AlphaScreen assays, [FP]² and general assay miniaturization

ProxiPlate-96 , white, shallow 96-well	SP5	6006291
	50	6006290
	200	6006299
ProxiPlate-384 , white, shallow 384-well	SP5	6006281
	50	6006280
ProxiPlate-96 F , black, shallow 96-well	SP5	6006271
	50	6006270
	200	6006279
ProxiPlate-384 F , black, shallow 384-well	SP5	6006261
	50	6006260

Clear SpectraPlates™

for cell culturing, ELISA and other colorimetric assays

SpectraPlate-96 MB , clear, 96-well, medium protein binding affinity	SP5	6005641
	50	6005640
	200	6005649
SpectraPlate-96 HB , clear, 96-well, high protein binding affinity	SP5	6005601
	50	6005600
	200	6005609

SP1, SP2, SP3, SP4 and SP5 are SAMPLE PACK's containing 1, 2, 3, 4 or 5 plates.

Clear SpectraPlates™ (Cont.)

for cell culturing, ELISA and other colorimetric assays

	<u>Pcs</u>	<u>Part Nr.</u>
SpectraPlate-96 TC , clear, 96-well, tissue culture treated, sterile	SP3	6005651
	50	6005650
	160	6005658
	200	6005659 ¹
SpectraPlate-384 MB , clear, 384-well, medium protein binding affinity	SP5	6007641
	50	6007640
	200	6007649
SpectraPlate-384 HB , clear, 384-well, high protein binding affinity	SP5	6007501
	50	6007500
	200	6007509
SpectraPlate-384 TC , clear, 384-well, tissue culture treated, sterile	SP3	6007651
	50	6007650
	160	6007658
	200	6007659 ¹

¹ Without lids. Order lids separately!

Black & White Isoplates™

for low crosstalk luminescence assays

B&W Isoplate-96 , black frame & white well, 96-well	SP2	1450-582S
	25	1450-581
	100	1450-582
B&W Isoplate-96 HB , black frame & white well, 96-well, high protein binding affinity	SP2	1450-586S
	25	1450-585
	100	1450-586
B&W Isoplate-96 TC , black frame & white well, 96-well, tissue culture treated, sterile, with lid	SP2	1450-584S
	25	1450-583
	100	1450-584

Standard, clear bottomed Isoplates™

*with white frame for LSC coincidence counting in MicroBeta®
and black frame for non-isotopic bottom reading*

Visiplate-24 , white frame & clear bottom, 24-well	SP2	1450-602S
	17	1450-601
	68	1450-602
Isoplate-96 , white frame & clear wells, 96-well	SP2	1450-515S
	25	1450-514
	100	1450-515
Isoplate-96 HB , white frame & clear wells, 96-well, high protein binding affinity	SP2	1450-519S
	25	1450-518
	100	1450-519
Isoplate-96 TC , white frame & clear wells, 96-well, tissue culture treated, sterile, with lid	SP2	1450-517S
	25	1450-516
	100	1450-517

Standard, clear bottomed Isoplates™ (Cont.)

with white frame for LSC coincidence counting in MicroBeta and black frame for non-isotopic bottom reading

	<u>Pcs</u>	<u>Part Nr.</u>
Black Isoplate-96 , black frame & clear wells, 96-well	SP2	1450-572S
	25	1450-571
	100	1450-572
Black Isoplate-96 HB , black frame & clear wells, 96-well, high protein binding affinity	SP2	1450-576S
	25	1450-575
	100	1450-576
Black Isoplate-96 TC , black frame & clear wells, 96-well, tissue culture treated, sterile, with lid	SP2	1450-574S
	25	1450-573
	100	1450-574

Clear Microplate Lids

for 96- and 384-well OptiPlates, CulturPlates and SpectraPlates

Lid-96 , for 96-well plate, non-sterile	200	6005617
Lid-96 , for 96-well plate, sterile	200	6005619
Lid-384 , for 384-well plate, non-sterile	200	6007617
Lid-384 , for 384-well plate, sterile	200	6007619

Cell Culture Microplates

Tissue Culture treated, opaque CulturPlates™

for cell-based fluorescence or luminescence assays

CulturPlate-24 , white, 24-well, sterile	50	6005168
CulturPlate-96 , white, 96-well, sterile	SP3	6005681
	50	6005680
	160	6005688
	200	6005689 ¹
CulturPlate-384 , white, 384-well, sterile	SP3	6007681
	50	6007680
	160	6007688
	200	6007689 ¹
CulturPlate-96 F , black, 96-well, sterile	SP3	6005661
	50	6005660
	160	6005668
	200	6005669 ¹
CulturPlate-384 F , black, 384-well, sterile	SP3	6007661
	50	6007660
	160	6007668
	200	6007669 ¹

¹ Without lids. Order lids separately!

SP1, SP2, SP3, SP4 and SP5 are SAMPLE PACK's containing 1, 2, 3, 4 or 5 plates.

Tissue Culture treated, clear SpectraPlates™

for adherent mammalian cell culturing

SpectraPlate-96 TC, clear, 96-well,
tissue culture treated, sterile

<u>Pcs</u>	<u>Part Nr.</u>
SP3	6005651
50	6005650
160	6005658
200	6005659 ¹

SpectraPlate-384 TC, clear, 384-well,
tissue culture treated, sterile

SP3	6007651
50	6007650
160	6007658
200	6007659 ¹

¹ Without lids. Order lids separately!

Tissue Culture treated, clear-bottomed ViewPlates™ / Visiplates™ / Isoplates™

*for cell-based fluorescence, radio-label or luminescence assays
where microscopic visualization or bottom-reading is required*

Visiplate-24 TC, white frame with clear
bottom, 24-well, sterile, with lid

SP2	1450-604S
14	1450-603
56	1450-604

Visiplate-24 TC, black frame with clear
bottom, 24-well, sterile, with lid

SP2	1450-606S
14	1450-605
56	1450-606

ViewPlate-96, white frame with clear
bottom, 96-well, sterile, with lid

SP3	6005263
50	6005181

ViewPlate-384, white frame with clear
bottom, 384-well, sterile, with lid

SP3	6005266
30	6005262

ViewPlate-96, black frame with clear
bottom, 96-well, sterile, with lid

SP3	6005264
50	6005182
2x25	6005225

ViewPlate-384, black frame with clear
bottom, 384-well, sterile, with lid

SP3	6005265
30	6005261

Isoplate-96 TC, white frame with clear
wells, 96-well, sterile, with lid

SP2	1450-517S
25	1450-516
100	1450-517

Black Isoplate-96 TC, black frame with
clear wells, 96-well, sterile, with lid

SP2	1450-574S
25	1450-573
100	1450-574

All ViewPlates are supplied with BackSeals!

Clear Microplate Lids

for 96- and 384-well OptiPlates, CulturPlates and SpectraPlates

Lid-96, for 96-well plate, non-sterile

200	6005617
-----	----------------

Lid-96, for 96-well plate, sterile

200	6005619
-----	----------------

Lid-384, for 384-well plate, non-sterile

200	6007617
-----	----------------

Lid-384, for 384-well plate, sterile

200	6007619
-----	----------------

Dedicated Microplates for Scintillation Counting

Solvent Resistant PicoPlates™

for isotopic assays using LSC-cocktails in TopCount®

	<u>Pcs</u>	<u>Part Nr.</u>
PicoPlate-24 , white, 24-well, Barex®	100	6005163
PicoPlate-96 , white, 96-well, Barex	100	6005162

Solvent Resistant Flexible MicroPlates™

for isotopic assays using LSC-cocktails in MicroBeta

Flexible-24 , clear, 24-well, PET, flat-bottom	25	1450-402
Flexible-24 heat sealable , clear, 24-well, PET, flat-bottom	25	1450-408
Flexible-96 , clear, 96-well, PET, round-bottom	25	1450-401
Support Frame , for flexible 24- and 96-well plates	25	1450-481

Scintillator-containing LumaPlates™

for direct isotopic assays in MicroBeta and TopCount (HPLC fraction analysis, ⁵¹Cr release assays, etc) without adding LSC-cocktail

LumaPlate-96 , white, shallow 96-well, 100 µL	SP5	6006631
	100	6006633
Deepwell LumaPlate-96 , white, 96-well, 300 µL	SP5	6005631
	50	6005630

Scintillator-incorporated ScintiPlates®

with clear bottom, for direct isotopic assays in MicroBeta without adding LSC-cocktail

ScintiPlate-96 , white frame with clear wells, 96-well	SP2	1450-502S
	25	1450-501
	100	1450-502
ScintiPlate-96 TC , white frame with clear wells, 96-well, tissue culture treated, sterile, with lid	SP2	1450-504S
	25	1450-503
	100	1450-504
ScintiPlate-96 SA , white frame with clear wells, 96-well, Streptavidin coated	SP2	1450-551S
	10	1450-551

SP1, SP2, SP3, SP4 and SP5 are SAMPLE PACK's containing 1, 2, 3, 4 or 5 plates.

Scintillator-coated FlashPlates®

for solid-phase radiobinding assays in MicroBeta and TopCount without adding LSC-cocktail

Basic FlashPlate

	<u>Pcs</u>	<u>Part Nr.</u>
Basic FlashPlate-96 , white, 96-well	5	SMP200E
	50	SMP200
Basic FlashPlate-384 , white, 384-well	5	SMP400E
	20	SMP400
Sterile FlashPlate-96 , white, 96-well, sterile	5	SMP300E
	20	SMP300

Precoated FlashPlate PLUS

Glutathione FlashPlate HTS PLUS, 384-well	2	SMP413
	10	SMP413A
Glutathione FlashPlate PLUS, 96-well	5	SMP109
	20	SMP109A
Goat Anti-Mouse FlashPlate PLUS, 96-well	5	SMP104
Myelin Basic Protein FlashPlate PLUS, 96-well	5	SMP106
Nickel Chelate FlashPlate HTS PLUS, 384-well	2	SMP412
	10	SMP412A
Nickel Chelate FlashPlate PLUS, 96-well	5	SMP107
Phospholipid FlashPlate PLUS, 96-well	5	SMP108
	20	SMP108A
Protein A FlashPlate PLUS, 96-well	5	SMP102
Sheep Anti-Rabbit FlashPlate PLUS, 96-well	5	SMP101
Streptavidin FlashPlate HTS PLUS, High Capacity, 384-well	2	SMP410
	10	SMP410A
Streptavidin FlashPlate PLUS, High Capacity, 96-well	5	SMP103
	20	SMP103A
Wheat Germ Agglutinin FlashPlate HTS PLUS, 384-well	2	SMP411
	10	SMP411A
Wheat Germ Agglutinin FlashPlate PLUS, 96-well	5	SMP105

FlashPlate assay systems

Adenylyl Cyclase Activation FlashPlate Assay, 384-well	2	SMP701
	5	SMP701A
	40	SMP701B
Adenylyl Cyclase Activation FlashPlate Assay, 384-well, buffer without IBMX	40	SMP701C
Adenylyl Cyclase Activation FlashPlate Assay, 96-well	2	SMP004
	5	SMP004A
	40	SMP004B

Scintillator-coated FlashPlates® (Cont.)

for solid-phase radiobinding assays in MicroBeta and TopCount without adding LSC-cocktail

FlashPlate assay systems

	<u>Pcs</u>	<u>Part Nr.</u>
Adenylyl Cyclase Activation FlashPlate Assay, 96-well, buffer without IBMX	40	SMP004C
Cyclic AMP FlashPlate Assay, ¹²⁵ I, 96-well	2 5 100	SMP001 SMP001A SMP001J
Cyclic GMP FlashPlate Assay, ¹²⁵ I, 96-well	2 100	SMP002 SMP002J
Prostaglandin E ₂ FlashPlate Assay, ¹²⁵ I, 96-well	2	SMP003

Scintillator-coated Image FlashPlate®

with red-emitting scintillant, for solid-phase radiobinding assays in ViewLux™ Imager

Basic Image FlashPlate-384 , white, shallow 384-well	5 20	RMP100E RMP100
Streptavidin Image FlashPlate-384	5 40	RMP110E RMP110

Filter & Harvesting Microplates

Filter-bottomed UniFilter™ Plates

filter plates for receptor binding assays and cell harvesting

UniFilter-24 GF/B , white, shallow 24-well, GF/B filter, Barex	50	6005176
UniFilter-96 GF/B , white, shallow 96-well, GF/B filter, Barex	SP5 50	6005244 6005177
UniFilter-96 GF/C , white, shallow 96-well, GF/C filter, Barex	SP5 50	6005243 6005174
Harvest Plate GF/C , white, standard 96-well, GF/C filter	50	1450-525

OmniFilter™ Filter Plate Assembly

assembly kit for counting any type of filter or membrane

OmniFilter , white, 96-well, Barex	50	6005219
OmniFilter , assembly/disassembly tool	1	6005421
OmniFilter , filter cutting die	1	6005420
OmniFilter , filter cutting template	1	6005226

SP1, SP2, SP3, SP4 and SP5 are SAMPLE PACK's containing 1, 2, 3, 4 or 5 plates.

MultiScreen® Adapter

for counting Millipore MultiScreen® filter plates

	<u>Pcs</u>	<u>Part Nr.</u>
MultiScreen Adapter for TopCount, white, 96-well	50	6005178
MultiScreen Liner for MicroBeta	20	1450-433

Microplates for DELFIA® assays

DELFIA Clear Plates

for low autofluorescence dual-label TRF assays (DELFIA)

DELFIA Clear Plate , clear, stripwell, 8x12 strips	60	1244-550
DELFIA Yellow Plate , clear/yellow, 96-well, low autofluorescence	SP2 60	AAAND-0001S AAAND-0001

DELFIA AcroWell Filter Plate™

for low autofluorescence filtration DELFIA

AcroWell Filter Plate , 96-well, polypropylene, pore size 0.45 µm	2 10	5020S 5020
---	---------	-----------------------------

DELFIA Coated Plates

for optimized DELFIA assays

Streptavidin coated plates

DELFIA Streptavidin-coated yellow plate, 96-well	10	AAAND-0005
DELFIA Streptavidin-coated clear plate, 8x12 strips	10	4009-0010
DELFIA Streptavidin-coated white plate, 384-well	SP2 10	CC11-B10S CC11-B10
DELFIA Streptavidin-coated clear plate, 384-well	10	CC11-K10

Anti-GST antibody coated plates

DELFIA anti-GST-coated yellow plate, 96-well	SP2 10	CC41-1210S CC41-1210
DELFIA anti-GST-coated white plate, 384-well	SP2 10	CC41-B10S CC41-B10

DELFIA Coated Plates (Cont.)

for optimized DELFIA assays

Anti-mouse, anti-rabbit and anti-sheep antibody coated plates

	<u>Pcs</u>	<u>Part Nr.</u>
DELFIA anti-mouse-coated yellow plate, 96-well	10	AAAND-0003
DELFIA anti-mouse-coated clear plate, 8x12 strips	10	4007-0010
DELFIA anti-mouse-coated white plate, 384-well	10	CC31-B10
DELFIA anti-rabbit-coated yellow plate, 96-well	10	AAAND-0004
DELFIA anti-rabbit-coated clear plate, 8x12 strips	10	4008-0010
DELFIA anti-rabbit-coated white plate, 384-well	10	CC32-B10
DELFIA anti-sheep-coated yellow plate, 96-well	SP2 10	CC33-1210S CC33-1210

Seals and Supplies

MicroPlate Seals and Foils

for sealing microplates

TopSeal-A™ , clear, self-adhesive, for 24-well microplates	100	6005198
TopSeal-A , clear, self-adhesive, for 96-well microplates	100	6005185
TopSeal-A , clear, self-adhesive, for 384-well microplates	100	6005250
TopSeal-S , heat seal for polystyrene plates	100	6005161
TopSeal-P , heat seal for Barex plates	100	6005160
Permanent sealing tape	100	1450-461
Removable sealing tape	100	1450-462
Heat sealing foil for Flexible-24 or 96-well plates only	100	1450-463
BackSeal-24 , white, adhesive bottom seal for 24-well plates	55	600520
BackSeal-96/384 , white, adhesive bottom seal for 96/384-well plates	55	6005199
BackSeal-96/384 , black, adhesive bottom seal for 96/384-well plates	55	6005189

SP1, SP2, SP3, SP4 and SP5 are SAMPLE PACK's containing 1, 2, 3, 4 or 5 plates.

Reusable Microplate Cassettes

for counting plates, filtermats and tubes in MicroBeta

	<u>Pcs</u>	<u>Part Nr.</u>
Flexible-24 plate cassette	10	1450-102
Flexible-96 plate cassette	10	1450-101
Corning 24-well plate cassette	10	1450-110
Rigid 96-well plate cassette	10	1450-105
384-Well plate cassette	10	1450-130
384-Well RLS cassette	1	1450-216
96-Well RLS cassette	1	1450-217
8x12 Filtermat cassette	10	1450-104
4x6 Filtermat cassette	10	1450-116
8x12 Luminescence filter cassette	1	1450-111
Millipore MultiScreen cassette	10	1450-106
Betaplate filtermat cassette	10	1450-107
P-32 filtermat cassette	1	1450-118
4 mL tube cassette	4	1450-117
Visiplate cassette	10	1450-119

MicroBeta Consumables

for filter-based assays in MicroBeta

Filtermat A	100	1450-421
Filtermat B	50	1450-521
Filtermat DEAE	100	1450-522
Filtermat P30	100	1450-523
Nylon membrane	25	1450-423
4x6 Filtermat A	100	1450-422
4x6 Filtermat B	50	1450-424
Sample Bag	100	1450-432
Silicon Paper Envelope	75	1450-467
4 mL Tubes	3000	1450-421
Costar 24-well inserts	24	1450-109
Eppendorf adapters	24	1450-108

Microplate Volume Discounts

Attractive discounts on the list prices are possible for higher volume purchases! These special prices can also be guaranteed for longer periods if a supply agreement is in place. Please contact our office for more details.

Microplates Services

Microplate Coating Service

PerkinElmer Life Sciences will custom coat any standard microplate, FlashPlate, or ScintiPlate with a reagent of your choice and will accommodate large package sizes or modified packaging. We combine advanced facilities and automated equipment with years of proven expertise in microplate technology to meet your needs quickly, effectively, and economically.

Our manufacturing processes are flexible. We can:

- Utilize your coating process and protocol with our equipment
- Develop an application-specific coating process for you
- Modify the formulation of existing coated plates, as needed
- Use a plate coating process developed and optimized by PerkinElmer.

Use of existing raw materials and test methods, either from your lab or ours, significantly reduces lead times. Lot size capabilities vary depending upon the number of plate coating process steps.

General Guidelines:

Lead times	2 weeks for samples
	4 – 6 weeks for full-scale order
Maximum lot size	4,000 plates 96-well
	2,000 plates 384-well

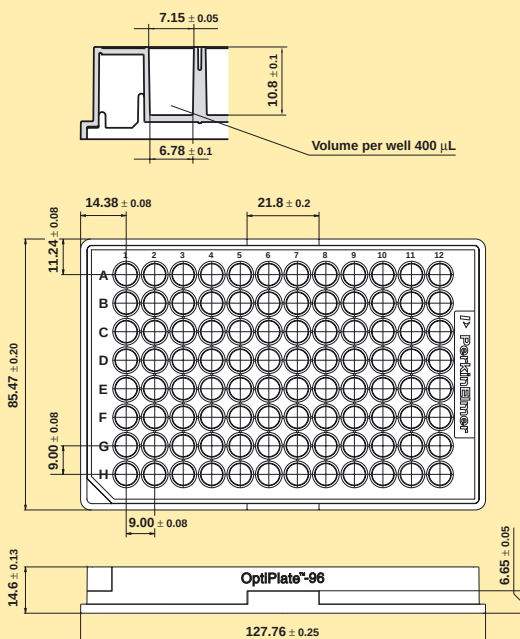
Microplate Bar Coding Service

Most of the microplates in this booklet can be supplied with bar codes. Bar codes will be printed on 10 x 65 mm plastic labels that are waterproof, DMSO resistant and withstand freezing to -80 °C. Any 2-D bar code type is supported (code 39, code 128, code ITF, etc.) and any sequence can be printed. Labels can be applied to any side of the microplate. Please contact your local PerkinElmer representative to discuss your specifications or requirements and allow us to prepare a sample for you.

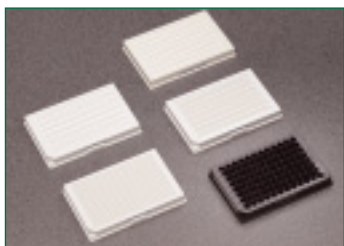


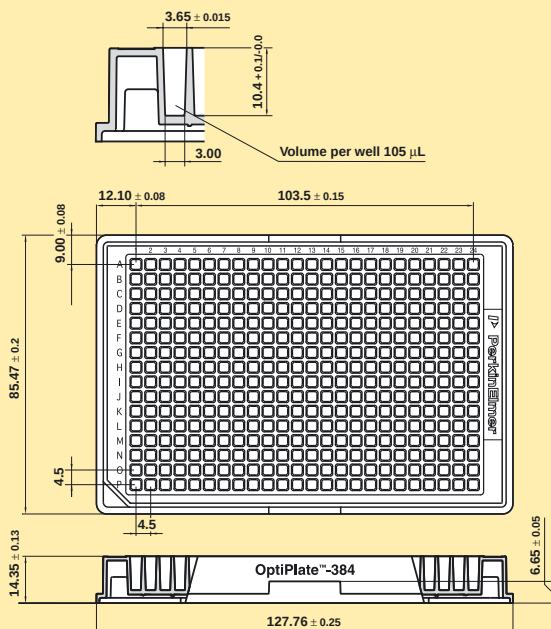
Innovative Design Improvements

All new PerkinElmer microplates have footprint dimensions in line with the SBS industry standard. This guarantees compatibility with microplate-based instrumentation. The microplates contain a 'pinch bar' (see technical drawings) to facilitate manual and automated processing using robotized systems. Moreover, the increased nesting tolerances and ribbed underside avoid stacker jams in HTS protocols, even with sealed microplates. To improve identification, all new PerkinElmer plates have printed product names, and the new black plates have a white area for markings. All new microplates are available bar code labeled (bar code 39, 128 and Interleaved 2 of 5).



For 96-well OptiPlate/CulturPlate/SpectraPlate/Deepwell LumaPlate





For 384-well OptiPlate/CulturPlate/SpectraPlate/FlashPlate

PerkinElmer: The Total Solution Provider!

To provide the Total Solution to your analytical challenges PerkinElmer Life Sciences offers a full range of microplate-based systems for Life Science Research. Next to microplate analyzers like TopCount®, Fusion™, MicroBeta®, EnVision™ and VICTOR²™ PerkinElmer has also developed specialized liquid handling and microplate processing systems, such as the MultiPROBE® II, PlateTrak™ and MiniTrak™. These microplate systems read PerkinElmer's specialized reagents, such as lucite®, britelite™ and steadylite HTS™ for luciferase reporter gene assays, BRET2™ and AlphaScreen™ for molecular interactions and functional genomics and DELFIA® and LANCE™ for TRF. Contact your PerkinElmer office for more details!



To Place an Order

Belgium	Tel: 0800-94540	Fax: 0800-93040
Denmark	Tel: 80-88-3477	Fax: 80-88-3478
France	Tel: 0800-90-77-62	Fax: 0800-90-77-75
Germany	Tel: 0800-1-81-00-32	Fax: 0800-1-81-00-31
Italy	Tel: 800-79-03-10	Fax: 800-78-03-11
Netherlands	Tel: 0800-02-23-042	Fax: 0800-02-23-043
Norway	Tel: 800-11-947	Fax: 800-11-948
Spain	Tel: 900-973-255	Fax: 900-973-256
Sweden	Tel: 020-79-07-35	Fax: 020-79-07-37
Switzerland	Tel: 0800-55-50-27	Fax: 0800-55-50-37
United Kingdom	Tel: 0800-89-60-46	Fax: 0800-89-17-14



Worldwide Headquarters: PerkinElmer Life Sciences, 549 Albany Street, Boston, MA 02118-2512 USA (800) 551-2121
European Headquarters: PerkinElmer Life Sciences, Imperiastraat 8, BE-1930 Zaventem Belgium

The PerkinElmer trademark and design referenced herein are either trademarks or registered trademarks of PerkinElmer, Inc. MultiScreen is a registered trademark of Millipore Corp., Barex is a registered trademark of BP Chemicals Inc. and AcroWell is a trademark of Pall Corp.