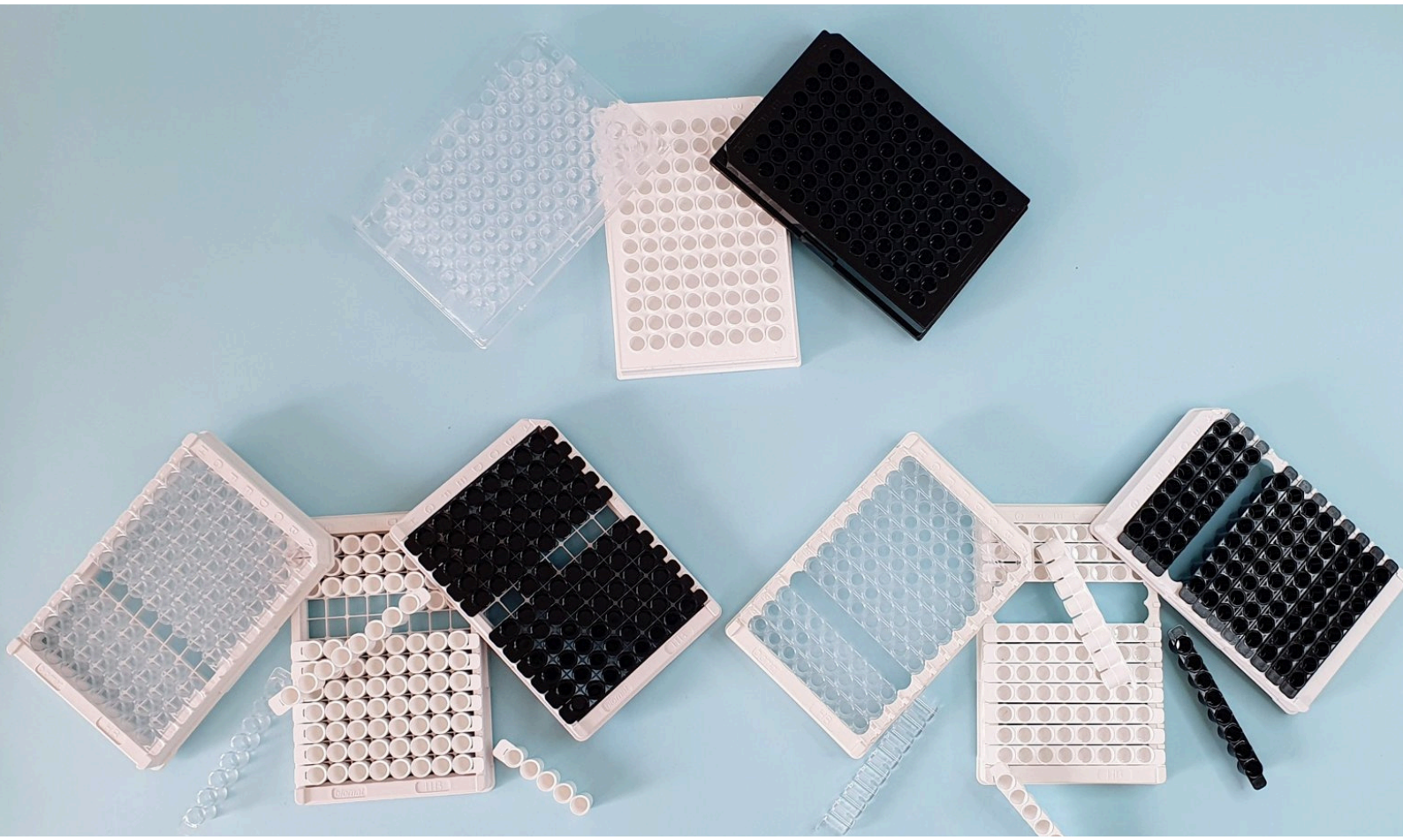
biomat
LIFE SCIENCES

PRODUCT CATALOG 2026

IMMUNOSURFACE MICROPLATES · MORE THAN 29 COATED SURFACES · PCR PRODUCTS · ELISA REAGENTS

The experts in surface modification and custom plate engineering for diagnostics

More than 29 coated surfaces on 96-well plates, PCR plates and strip tubes, cell culture and imaging plates, ELISA reagents and custom development, made in Italy.



www.biomat.it

WHY BIOMAT

Specialists in surface modification

Biomat began as an engineering company for special plastic products and launched its own microplates with medium and high binding surfaces in 1995. Today diagnostic kit manufacturers, research laboratories and universities worldwide use our plates in ELISA, CLIA, LIA and FIA, and we develop new surfaces with them.

01
Surface modification expertise

More than 29 coated surfaces, built with plasma, chemical and biological coating techniques. You pick the surface for your binding molecule instead of adapting the assay to a generic plate.

02
Custom engineering and OEM

Color-coded and number-coded strips, your brand on the plate frame, custom well geometries, 3D prototypes and coating on your own parts. One partner from feasibility to production.

03
Quality you can document

ISO 9001 certified quality management system since 2002. Every lot is tested for uniformity and reproducibility, compared with previous lots and released with a Certificate of Quality.

04
Direct technical support

Our small size and niche focus give you direct access to technical support and close collaboration, from surface selection to troubleshooting.

30+
years of surface modification

29+
coated surfaces on 96-well plates

CV < 10%
maximum uniformity CV on coated 96-well plates

100%
renewable energy in our facilities

Find your plate in three steps

1. Pick the surface family that matches your binding molecule (page 4). 2. Pick format and color for your workflow and reader (page 5). 3. Order with the code in the product table. Full data sheets are on each product page at biomat.it.

How to read a coated 96-well plate code

Part of the code	Meaning	Example
MG	12 breakable strips of 8 wells on a single-well holding frame	**MG06F-PA**
MT	12 strips of 8 wells on a 12 x 8 frame	**MT06F4-PA**
MC	Solid 96-well plate	**MC06F-PA**
no letter / W / B	Clear / white / black polystyrene	**MCW06F-PA**
/W at the end	Non-proteic blocking (BlockerWell)	**MC06F-PA/W**
-T at the end	Trial package of 1 unit, where available	**MC06F-PA-T**

Ordering

Prices and volume quotes: **biomat.it/request-quote** or **info@biomat.it**. Minimum order, pack size and unit are listed on each product page.

Coated plates with a trial code (-T) can be ordered as a single unit to evaluate the surface before a volume order.

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ELISA reagents and accessories 21

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Surface selection at a glance

All Biomat surfaces are obtained by coating or treating plastic, with fixed protocols that standardize every batch. Start from the molecule you need to bind.

You need to bind	Surface family	Biomat surfaces
Hydrophilic proteins (>10 kDa) and antibodies, passive adsorption	Standard	High Binding
Large hydrophobic proteins (>10 kDa), passive adsorption	Standard	Medium Binding
Nothing: the well must not bind or alter the molecule	Standard	No Binding
Peptides and small molecules (<5 kDa), covalent bond	Covalent coupling	Aminated, Carboxylated, Maleimide
Biotinylated antibodies, antigens or probes	Biotin-binding	Streptavidin, Streptavidin HB, Neutravidin
Avidin, streptavidin or neutravidin conjugates	Biotin-binding	Biotin
IgG with oriented binding through the Fc region	Antibody binding	Protein A, Protein G, Protein A/G
Antibodies in low quantity or impure samples	Secondary antibodies	Goat anti-mouse IgG, goat anti-rabbit IgG
Human IgG, IgA, IgM or IgG1 in a sandwich immunoassay	Anti-human Ig	Goat anti-human IgG, IgA, IgM; mouse anti-human IgG1
Glycoproteins and carbohydrate-binding proteins	Lectins	Concanavalin A, Jacalin, Wheat Germ
Molecules that bind through electrostatic interaction	Polyamino acids	Poly-L-Lysine, Poly-L-Arginine
Unfractionated heparin, competitive ELISA	Heparin Catcher	HC1, HC2, HC3
Tag-fusion proteins (His, GST, DYKDDDDK)	Anti-tag	Mab anti-His, anti-GST, anti-DYKDDDDK
IgM and IgG biomarkers of immunotoxicity	Immunotoxicity	KLH, Tetanus Toxoid, DNP, TNP
Mouse monoclonal antibody isotype	Isotyping	Mouse monoclonal isotyping plates

NO SURFACE FITS YOUR ASSAY?

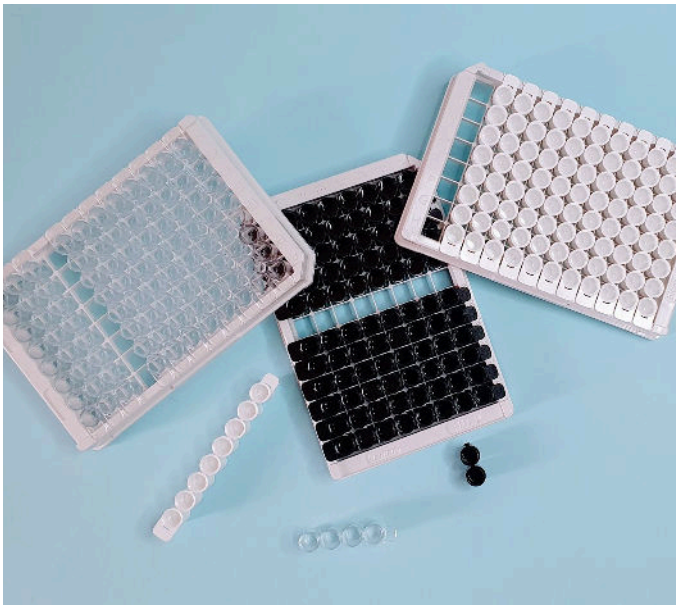
We develop surfaces together with your team to optimize kit performance. See Custom development, OEM and quality, page 23.

Coated 96-well plates

Pure polystyrene with low fluorescence, SBS footprint and flat bottom, for ELISA, CLIA, LIA and FIA. Every coated surface is available in three formats and three colors.

Format	Well volume	Best for
Breakable strip	350 µl	A few wells at a time, no waste of unused wells
8-well strip	360 µl	Variable throughput, column by column
Solid plate	400 µl	Full-plate runs and automated production

Color	Detection
Clear	Colorimetric ELISA, absorbance
White	Luminescence, chemiluminescence
Black	Fluorescence



UNIFORMITY
CV < 5% to < 10%, by surface

AUTOMATION
Compatible with most common systems

QUALITY
Certificate of Quality for every lot

BLOCKING
Standard (ELISA Blocking) or non-proteic (BlockerWell)

PLATE DESIGN

Mould design for optical quality and low background, radius-edged well bottom for efficient washing, protective rim against scratches and cross-contamination, alphanumeric well identification.

High Binding

Hydrophilic surface for passive adsorption of proteins with varying hydrophilicity, selective even at low protein concentrations.

BINDING DATA
500-600 ng IgG/cm²

STORAGE
Room temperature

SHELF LIFE
5 years

Format	Clear	White	Black
Breakable strip	MG01F-HB8	MGW01F-HB8	MGB01F2-HB8
8-well strip	MT01F4-HB8	MTW01F4-HB8	MTB01F4-HB8
Solid	MC01F-HB8	MCW01F-HB8	MCB01F-HB8

Medium Binding

Hydrophobic surface for passive adsorption of large molecules, particularly hydrophobic proteins above 10 kDa.

BINDING DATA
200-300 ng IgG/cm²

STORAGE
Room temperature

SHELF LIFE
5 years

Format	Clear	White	Black
Breakable strip	MG0F-MB	MGW0F-MB	MGB0F2-MB
8-well strip	MT0F4-MB	MTW0F4-MB	MTB0F4-MB
Solid	MC0F-MB	MCW0F-MB	MCB0F-MB

No Binding

Prevents the binding of proteins to the well, for procedures where the surface must not alter the activity of molecules such as enzymes.

BINDING DATA
Not applicable

STORAGE
Room temperature

SHELF LIFE
3 years

Format	Clear	White	Black
Breakable strip	MG03F-NB	MGW03F-NB	MGB03F2-NB
8-well strip	MT03F4-NB	MTW03F4-NB	MTB03F4-NB
Solid	MC03F-NB	MCW03F-NB	MCB03F-NB

Aminated (primary amine)

Primary amines for covalent immobilization of peptides and small molecules (1,000 to 5,000 Da), drugs, toxins and hormones through homo- and heterobifunctional linkers.

BINDING DATA
300 ng/well – 150 pMol/well using Biotin-PEG_{28}-COOH (M.W. 2,000 Da)

STORAGE
Room temperature

SHELF LIFE
2 years

Format	Clear	White	Black
Breakable strip	MG02F-AM1	MGW02F-AM1	MGB02F2-AM1
8-well strip	MT02F4-AM1	MTW02F4-AM1	MTB02F4-AM1
Solid	MC02F-AM1	MCW02F-AM1	MCB02F-AM1

Carboxylated

Carboxyl groups for covalent binding of peptides and other molecules.

BINDING DATA
100-200 ng/well – 50-100 pMol/well using Biotin-PEG_{28}-NH_2 (M.W. 2,000 Da)

STORAGE
Room temperature

SHELF LIFE
2 years

Format	Clear	White	Black
Breakable strip	MG04F-COOH	MGW04F-COOH	MGB04F2-COOH
8-well strip	MT04F4-COOH	MTW04F4-COOH	MTB04F4-COOH
Solid	MC04F-COOH	MCW04F-COOH	MCB04F-COOH

Maleimide

Covalent binding of molecules with free sulfhydryl groups, such as peptides with a terminal cysteine or thiol-containing haptens.

BINDING DATA
~250 ng/well – 440 pmol/well of Glutathione Ethyl Ester Biotin Amide

STORAGE
2-8 °C

SHELF LIFE
1 year

BLOCKING
non-proteic

Format	Clear	White	Black
Breakable strip	MG22F-MAL	MGW22F-MAL	MGB22F2-MAL
8-well strip	MT22F4-MAL	MTW22F4-MAL	MTB22F4-MAL
Solid	MC22F-MAL	MCW22F-MAL	MCB22F-MAL

Streptavidin

Binding of biotinylated proteins, peptides, polysaccharides, oligonucleotides and DNA fragments, with consistent orientation.

BINDING DATA
Biotin ~12-14 pmol/well (200 µl), IgG-b 100 ng/ well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
3 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG0STF-SA5/200	MGW0STF-SA5/200	MGB0STF2-SA5/200
8-well strip	MT0STF4-SA5/200	MTW0STF4-SA5/200	MTB0STF4-SA5/200
Solid	MC0STF-SA5/200	MCW0STF-SA5/200	MCB0STF-SA5/200
Breakable strip · non-proteic	MG0STF-SA5/200/W	MGW0STF-SA5/200/W	MGB0STF2-SA5/200/W
8-well strip · non-proteic	MT0STF4-SA5/200/W	MTW0STF4-SA5/200/W	MTB0STF4-SA5/200/W
Solid · non-proteic	MC0STF-SA5/200/W	MCW0STF-SA5/200/W	MCB0STF-SA5/200/W

Streptavidin High Binding

A polymer of streptavidin molecules with more biotin-binding sites than standard streptavidin. The lower the molecular weight of the biotinylated molecule, the larger the benefit.

BINDING DATA
Biotin > 25 pmol/well (100 µl), IgG-b 100 ng/ well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
2 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MGSTDF-SB75/100	MGWSTDF-SB75/100	MGBSTDF2-SB75/100
8-well strip	MTSTDF4-SB75/100	MTWSTDF4-SB75/100	MTBSTDF4-SB75/100
Solid	MCSTDF-SB75/100	MCWSTDF-SB75/100	MCBSTDF-SB75/100
Breakable strip · non-proteic	MGSTDF-SB75/100/W	MGWSTDF-SB75/100/W	MGBSTDF2-SB75/100/W
8-well strip · non-proteic	MTSTDF4-SB75/100/W	MTWSTDF4-SB75/100/W	MTBSTDF4-SB75/100/W
Solid · non-proteic	MCSTDF-SB75/100/W	MCWSTDF-SB75/100/W	MCBSTDF-SB75/100/W

Neutravidin

Binding of biotinylated antibodies, antigens, proteins and peptides with minimal non-specific binding.

BINDING DATA
Biotin ~5-6 pmol/well (100 µl), IgG-b 100 ng/well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
2 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG21F-NA	MGW21F-NA	MGB21F2-NA
8-well strip	MT21F4-NA	MTW21F4-NA	MTB21F4-NA
Solid	MC21F-NA	MCW21F-NA	MCB21F-NA
Breakable strip · non-proteic	MG21F-NA/W	MGW21F-NA/W	MGB21F2-NA/W
8-well strip · non-proteic	MT21F4-NA/W	MTW21F4-NA/W	MTB21F4-NA/W
Solid · non-proteic	MC21F-NA/W	MCW21F-NA/W	MCB21F-NA/W

Biotin

Biotin-coated surface for assays with avidin, streptavidin, neutravidin and other biotin-binding proteins.

BINDING DATA
> 2 µg/ml of streptavidin-HRP

STORAGE
2-8 °C

SHELF LIFE
3 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG15F-BIO	MGW15F-BIO	MGB15F2-BIO
8-well strip	MT15F4-BIO	MTW15F4-BIO	MTB15F4-BIO
Solid	MC15F-BIO	MCW15F-BIO	MCB15F-BIO
Breakable strip · non-proteic	MG15F-BIO/W	MGW15F-BIO/W	MGB15F2-BIO/W
8-well strip · non-proteic	MT15F4-BIO/W	MTW15F4-BIO/W	MTB15F4-BIO/W
Solid · non-proteic	MC15F-BIO/W	MCW15F-BIO/W	MCB15F-BIO/W

ANTIBODY CAPTURE

Protein A

Capture of IgG through the Fc region, an alternative to passive adsorption that keeps the antigen-binding site free.

BINDING DATA
2.66-3.33 pmol IgG / well (100 µl), 400-500 ng IgG / well (100 µl); sensitivity 0.113 ng IgG / well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
2 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG06F-PA	MGW06F-PA	MGB06F2-PA
8-well strip	MT06F4-PA	MTW06F4-PA	MTB06F4-PA
Solid	MC06F-PA	MCW06F-PA	MCB06F-PA
Breakable strip · non-proteic	MG06F-PA/W	MGW06F-PA/W	MGB06F2-PA/W
8-well strip · non-proteic	MT06F4-PA/W	MTW06F4-PA/W	MTB06F4-PA/W
Solid · non-proteic	MC06F-PA/W	MCW06F-PA/W	MCB06F-PA/W

Protein G

Capture of IgG through the Fc region, an alternative to passive adsorption that keeps the antigen-binding site free.

BINDING DATA
2.66-3.33 pmol IgG / well (100 µl), 400-500 ng IgG / well (100 µl); sensitivity 0.056 ng IgG / well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
2 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG09F-PG	MGW09F-PG	MGB09F2-PG
8-well strip	MT09F4-PG	MTW09F4-PG	MTB09F4-PG
Solid	MC09F-PG	MCW09F-PG	MCB09F-PG
Breakable strip · non-proteic	MG09F-PG/W	MGW09F-PG/W	MGB09F2-PG/W
8-well strip · non-proteic	MT09F4-PG/W	MTW09F4-PG/W	MTB09F4-PG/W
Solid · non-proteic	MC09F-PG/W	MCW09F-PG/W	MCB09F-PG/W

Protein A/G

Binds all subclasses of mouse and human IgG, with four Fc-binding domains from Protein A and two from Protein G.

BINDING DATA
2.66-3.33 pmol IgG / well (100 µl), 400-500 ng IgG / well (100 µl)

STORAGE
2-8 °C

SHELF LIFE
2 years

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG08F-PAG	MGW08F-PAG	MGB08F2-PAG
8-well strip	MT08F4-PAG	MTW08F4-PAG	MTB08F4-PAG
Solid	MC08F-PAG	MCW08F-PAG	MCB08F-PAG
Breakable strip · non-proteic	MG08F-PAG/W	MGW08F-PAG/W	MGB08F2-PAG/W
8-well strip · non-proteic	MT08F4-PAG/W	MTW08F4-PAG/W	MTB08F4-PAG/W
Solid · non-proteic	MC08F-PAG/W	MCW08F-PAG/W	MCB08F-PAG/W

SECONDARY AND ANTI-HUMAN ANTIBODIES

Goat anti-mouse IgG

Binding of mouse antibodies available in low quantities, denatured or present in impure protein samples.

BINDING DATA
~0.63 pmol/well of Mouse IgG (100 µl); 100 ng/well of Mouse IgG (100 µl)

STORAGE
2-8 °C

SHELF LIFE
18 months

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG25F-aM	MGW25F-aM	MGB25F2-aM
8-well strip	MT25F4-aM	MTW25F4-aM	MTB25F4-aM
Solid	MC25F-aM	MCW25F-aM	MCB25F-aM
Breakable strip · non-proteic	MG25F-aM/W	MGW25F-aM/W	MGB25F2-aM/W
8-well strip · non-proteic	MT25F4-aM/W	MTW25F4-aM/W	MTB25F4-aM/W
Solid · non-proteic	MC25F-aM/W	MCW25F-aM/W	MCB25F-aM/W

Goat anti-rabbit IgG

Binding of rabbit antibodies available in low quantities, denatured or present in impure protein samples.

BINDING DATA
0.63 pmol/well of Rabbit IgG (100 µl); 100 ng/well of Rabbit IgG (100 µl)

STORAGE
2-8 °C

SHELF LIFE
18 months

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG26F-aR	MGW26F-aR	MGB26F2-aR
8-well strip	MT26F4-aR	MTW26F4-aR	MTB26F4-aR
Solid	MC26F-aR	MCW26F-aR	MCB26F-aR
Breakable strip · non-proteic	MG26F-aR/W	MGW26F-aR/W	MGB26F2-aR/W
8-well strip · non-proteic	MT26F4-aR/W	MTW26F4-aR/W	MTB26F4-aR/W
Solid · non-proteic	MC26F-aR/W	MCW26F-aR/W	MCB26F-aR/W

Goat anti-human IgG (Fcγ)

Binding and detection of human IgG in a sandwich immunoassay.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
~ 0.05 µg/well of human IgG	2-8 °C	1 year	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG40F-AHG	MGW40F-AHG	MGB40F2-AHG
8-well strip	MT40F4-AHG	MTW40F4-AHG	MTB40F4-AHG
Solid	MC40F-AHG	MCW40F-AHG	MCB40F-AHG
Breakable strip · non-proteic	MG40F-AHG/W	MGW40F-AHG/W	MGB40F2-AHG/W
8-well strip · non-proteic	MT40F4-AHG/W	MTW40F4-AHG/W	MTB40F4-AHG/W
Solid · non-proteic	MC40F-AHG/W	MCW40F-AHG/W	MCB40F-AHG/W

Goat anti-human IgA (α chain)

Binding and detection of human IgA in a sandwich immunoassay.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
~ 0.05 µg/well of human IgA	2-8 °C	1 year	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG43F-AHA	MGW43F-AHA	MGB43F2-AHA
8-well strip	MT43F4-AHA	MTW43F4-AHA	MTB43F4-AHA
Solid	MC43F-AHA	MCW43F-AHA	MCB43F-AHA
Breakable strip · non-proteic	MG43F-AHA/W	MGW43F-AHA/W	MGB43F2-AHA/W
8-well strip · non-proteic	MT43F4-AHA/W	MTW43F4-AHA/W	MTB43F4-AHA/W
Solid · non-proteic	MC43F-AHA/W	MCW43F-AHA/W	MCB43F-AHA/W

Goat anti-human IgM (Fc5µ)

Binding and detection of human IgM in a sandwich immunoassay.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
~0.3 µg/well of human IgM	See data sheet	1 year	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG44F-AHM	MGW44F-AHM	MGB44F2-AHM
8-well strip	MT44F4-AHM	MTW44F4-AHM	MTB44F4-AHM
Solid	MC44F-AHM	MCW44F-AHM	MCB44F-AHM
Breakable strip · non-proteic	MG44F-AHM/W	MGW44F-AHM/W	MGB44F2-AHM/W
8-well strip · non-proteic	MT44F4-AHM/W	MTW44F4-AHM/W	MTB44F4-AHM/W
Solid · non-proteic	MC44F-AHM/W	MCW44F-AHM/W	MCB44F-AHM/W

Mouse anti-human IgG1 (Fcγ)

Capture and quantification of human IgG1 through the Fc region: humanized IgG1 monoclonal antibodies in oncology research, and human IgG1 in serum, plasma, tissue lysate, cerebrospinal fluid, saliva, urine and cell culture supernatant. No cross-reaction to human IgG2, IgG3, IgG4, IgM and IgA.

BINDING DATA
~0.5 µg/well of human IgG1 (100 µl); sensitivity ~6.8 ng/well of human IgG1

STORAGE
2-8 °C

SHELF LIFE
1 year

BLOCKING
standard

Format	Clear	White	Black
Breakable strip	MG45F-AHG1	MGW45F-AHG1	MGB45F-AHG1
8-well strip	MT45F4-AHG1	MTW45F4-AHG1	MTB45F4-AHG1
Solid	MC45F-AHG1	MCW45F-AHG1	MCB45F-AHG1

Trial package: MC45F-AHG1-T.

Mouse anti-human IgG1 (Fcγ) · 384-well

The same surface on solid 384-well plates (120 µl wells, 50 µl coating) for higher-throughput work. It is our only immunoassay surface also offered in 384-well format.

BINDING DATA
~0.2 µg/well of human IgG1 (50 µl); sensitivity ~9.7 ng/well of human IgG1

STORAGE
2-8 °C

SHELF LIFE
1 year

BLOCKING
standard

Format	Clear	White	Black
Solid 384-well	MC45F-384-AHG1	MCW45F-384-AHG1	MCB45F-384-AHG1

Trial package: MC45F-384-AHG1-T.

HOW WE TEST EVERY LOT

Human IgG1 is added at 0.5 to 8 µg/ml, then detected with a mouse anti-human IgG1 $F(ab)_2$-HRP conjugate and TMB. Binding reaches a plateau at 5.0 µg/ml on 96-well plates and at 4.0 µg/ml on 384-well plates. Sensitivity is the lowest IgG1 concentration above the blank mean plus 5 SD. Uniformity CV < 10%. Technical notes 55 (96-well) and 56 (384-well) on request. For research use only.

Concanavalin A

Lectin surface for binding glycoproteins and carbohydrate-binding proteins.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
100 ng/ml IgG-HRP	2-8 °C	2 years	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG07F-CON A	MGW07F-CON A	MGB07F2-CON A
Breakable strip · non-proteic	MG07F-CON A/W	MGW07F-CON A/W	MGB07F2-CON A/W
8-well strip	MT07F4-CON A	MTW07F4-CON A	MTB07F4-CON A
8-well strip · non-proteic	MT07F4-CON A/W	MTW07F4-CON A/W	MTB07F4-CON A/W
Solid	MC07F-CON A	MCW07F-CON A	MCB07F-CON A
Solid · non-proteic	MC07F-CON A/W	MCW07F-CON A/W	MCB07F-CON A/W

Jacalin

Lectin surface for sterically oriented binding of human IgA1 and other glycoproteins.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
~4 pmol IgA/well (100 µl); 600 ng IgA/well (100 µl)	Room temperature	2 years	non-proteic

Format	Clear	White	Black
Breakable strip	MG10F-JAC	MGW10F-JAC	MGB10F2-JAC
8-well strip	MT10F4-JAC	MTW10F4-JAC	MTB10F4-JAC
Solid	MC10F-JAC	MCW10F-JAC	MCB10F-JAC

Wheat Germ

Lectin surface for binding glycoproteins and carbohydrate-binding proteins.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
100 ng/ml IgG-HRP	2-8 °C	2 years	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG11F-WG	MGW11F-WG	MGB11F2-WG
8-well strip	MT11F4-WG	MTW11F4-WG	MTB11F4-WG
Solid	MC11F-WG	MCW11F-WG	MCB11F-WG
Breakable strip · non-proteic	MG11F-WG/W	MGW11F-WG/W	MGB11F2-WG/W
8-well strip · non-proteic	MT11F4-WG/W	MTW11F4-WG/W	MTB11F4-WG/W
Solid · non-proteic	MC11F-WG/W	MCW11F-WG/W	MCB11F-WG/W

Poly-L-Lysine

High density of amino groups that react through electrostatic and stereospecific bonds.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
5 µg/ml of dsDNA from Calf Thymus	2-8 °C	2 years	non-proteic

Format	Clear	White	Black
Breakable strip	MG12F-LYS-L	MGW12F-LYS-L	MGB12F2-LYS-L
8-well strip	MT12F4-LYS-L	MTW12F4-LYS-L	MTB12F4-LYS-L
Solid	MC12F-LYS-L	MCW12F-LYS-L	MCB12F-LYS-L

Poly-L-Arginine

High density of guanidine groups that react through electrostatic and stereospecific bonds.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
See data sheet	2-8 °C	1 year	non-proteic

Format	Clear	White	Black
Breakable strip	MG13F-AR	MGW13F-AR	MGB13F2-AR
8-well strip	MT13F4-AR	MTW13F4-AR	MTB13F4-AR
Solid	MC13F-AR	MCW13F-AR	MCB13F-AR

HEPARIN CATCHER

Heparin Catcher HC1 · 0.01-2.0 IU/ml

Immobilizes heparin without modifying the molecule, for competitive ELISA of unfractionated heparin in low-protein fluids.

BINDING DATA	STORAGE	SHELF LIFE	BLOCKING
0.01-2.0 IU/ml	2-8 °C	1 year	non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG18F-HC1	MGW18F-HC1	MGB18F2-HC1
8-well strip	MT18F4-HC1	MTW18F4-HC1	MTB18F4-HC1
Solid	MC18F-HC1	MCW18F-HC1	MCB18F-HC1
Breakable strip · non-proteic	MG18F-HC1/W	MGW18F-HC1/W	MGB18F2-HC1/W
8-well strip · non-proteic	MT18F4-HC1/W	MTW18F4-HC1/W	MTB18F4-HC1/W
Solid · non-proteic	MC18F-HC1/W	MCW18F-HC1/W	MCB18F-HC1/W

Heparin Catcher HC2 · 0.5-40.0 IU/ml

Immobilizes heparin without modifying the molecule, for competitive ELISA of unfractionated heparin in low-protein fluids.

BINDING DATA
0.5-40.0 IU/ml

STORAGE
2-8 °C

SHELF LIFE
1 year

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG19F-HC2	MGW19F-HC2	MGB19F2-HC2
8-well strip	MT19F4-HC2	MTW19F4-HC2	MTB19F4-HC2
Solid	MC19F-HC2	MCW19F-HC2	MCB19F-HC2
Breakable strip · non-proteic	MG19F-HC2/W	MGW19F-HC2/W	MGB19F2-HC2/W
8-well strip · non-proteic	MT19F4-HC2/W	MTW19F4-HC2/W	MTB19F4-HC2/W
Solid · non-proteic	MC19F-HC2/W	MCW19F-HC2/W	MCB19F-HC2/W

Heparin Catcher HC3 · 2.0-160.0 IU/ml

Immobilizes heparin without modifying the molecule, for competitive ELISA of unfractionated heparin in low-protein fluids.

BINDING DATA
2.0-160.0 IU/ml

STORAGE
Room temperature

SHELF LIFE
1 year

BLOCKING
non-proteic, standard

Format · blocking	Clear	White	Black
Breakable strip	MG20F-HC3	MGW20F-HC3	MGB20F2-HC3
8-well strip	MT20F4-HC3	MTW20F4-HC3	MTB20F4-HC3
Solid	MC20F-HC3	MCW20F-HC3	MCB20F-HC3
Breakable strip · non-proteic	MG20F-HC3/W	MGW20F-HC3/W	MGB20F2-HC3/W
8-well strip · non-proteic	MT20F4-HC3/W	MTW20F4-HC3/W	MTB20F4-HC3/W
Solid · non-proteic	MC20F-HC3/W	MCW20F-HC3/W	MCB20F-HC3/W

Immunotoxicity, anti-tag and isotyping

Ready-to-use coated plates supplied as 12 clear breakable strips of 8 wells (350 µl) on a single-well holding frame, coating volume 100 µl, standard blocking. Storage 2-8 °C, shelf life 2 years.

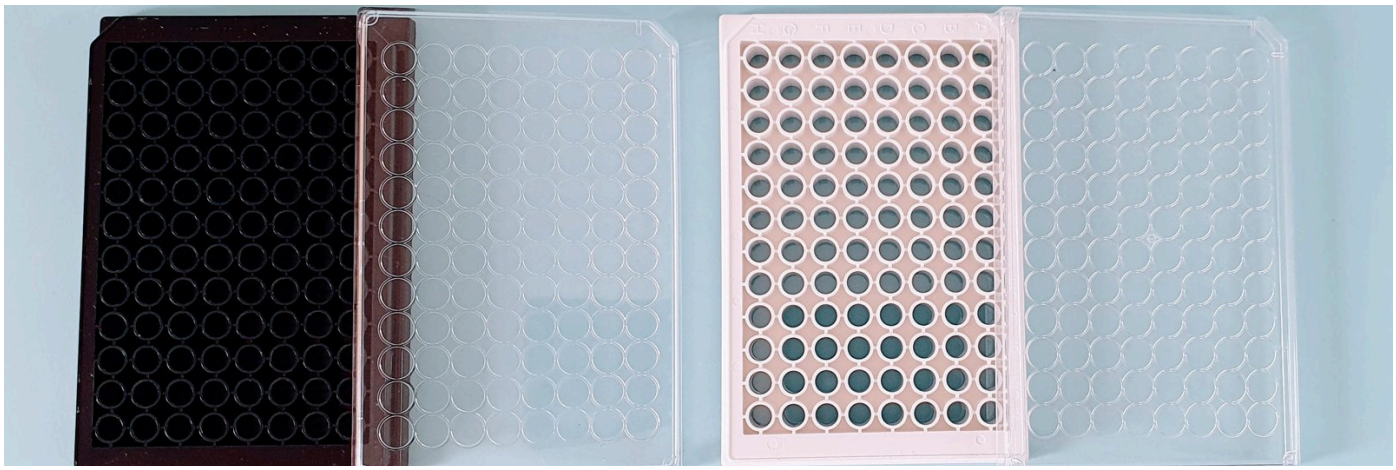


Product	Application	Binding data	Code
KLH coated	Immunotoxicity, IgM and IgG ELISA	Mouse IgG anti KLH ~25 ng/well	**MG29F-KLH**
Tetanus Toxoid coated	Immunotoxicity, IgM and IgG ELISA	Mouse IgG anti Tetanus Toxoid ~12,5 ng/well	**MG32F-TET**
DNP coated	Immunotoxicity, IgM and IgG ELISA	Mouse IgG anti DNP ~12.5 ng/well	**MG30F-DNP**
TNP coated	Immunotoxicity, IgM and IgG ELISA	Mouse IgG anti TNP ~25 ng/well	**MG31F-TNP**
Mab anti-His	Polyhistidine-tagged proteins	200-400 ng HSA-His Tag/well (100 µl); sensitivity ~5 ng HSA-His Tag/well (100 µl)	**MG38F-AHIS**
Mab anti-GST	Glutathione S-transferase-tagged proteins	~100 ng Glutathione S-Transferase (GST) /well (100 µl); sensitivity ~1 ng GST /well (100 µl)	**MG37F-AGST**
Mab anti-DYKDDDDK	DYKDDDDK-tagged proteins	~600 ng of recombinant Flag-ubiquitin/well (100 µl); sensitivity ~12 ng of recombinant Flag-ubiquitin/well (100 µl)	**MG39F-ADYKDDDDK**
Mouse mAb isotyping	IgG1, IgG2a, IgG2b, IgG3, IgA, IgM, kappa, lambda	Qualitative	**MG36F-MAI**

Add -T to the code for a single-unit trial package.

Cell culture and imaging plates

Pure polystyrene with low fluorescence, SBS footprint. Black and white plates with transparent bottom combine low crosstalk with bottom reading and imaging.



Tissue culture treated · sterile with lid

Plate · well volume · growth area	Color	Code
24-well · 3.4 ml · 1.9 cm²	Black transparent bottom	**MCBT23FL-24-TC/S**
24-well · 3.4 ml · 1.9 cm²	White transparent bottom	**MCWT23FL-24-TC/S**
96-well · 400 µl · 0.32 cm²	Clear	**MC23FL-96-TC/S**
96-well · 400 µl · 0.32 cm²	Black	**MCB23FL-96-TC/S**
96-well · 400 µl · 0.32 cm²	Black transparent bottom	**MCBT23FL-96-TC/S**
96-well · 400 µl · 0.32 cm²	White	**MCW23FL-96-TC/S**
96-well · 400 µl · 0.32 cm²	White transparent bottom	**MCWT23FL-96-TC/S**
384-well · 120 µl · 0.06 cm²	Clear	**MC23FL-384-TC/S**
384-well · 120 µl · 0.06 cm²	Black	**MCB23FL-384-TC/S**
384-well · 120 µl · 0.06 cm²	Black transparent bottom	**MCBT23F-384-TC/S**
384-well · 120 µl · 0.06 cm²	White	**MCW23F-384-TC/S**
384-well · 120 µl · 0.06 cm²	White transparent bottom	**MCWT23FL-384-TC/S**

Poly-D-Lysine and Poly-L-Lysine coated · storage 2-8 °C

Plate	Color	Code
Poly-D-Lysine 96-well	Clear	**MC24F-LYS-D/A**
Poly-D-Lysine 96-well	Black	**MCB24F-LYS-D/A**
Poly-D-Lysine 96-well	Black transparent bottom	**MCBT24F-LYS-D/A**
Poly-D-Lysine 96-well	White	**MCW24F-LYS-D/A**
Poly-D-Lysine 96-well	White transparent bottom	**MCWT24F-LYS-D/A**
Poly-D-Lysine 384-well	Clear	**MC24F-384-LYS-D/A**
Poly-D-Lysine 384-well	Black	**MCB24F-384-LYS-D/A**
Poly-D-Lysine 384-well	Black transparent bottom	**MCBT24F-384-LYS-D/A**
Poly-D-Lysine 384-well	White	**MCW24F-384-LYS-D/A**
Poly-D-Lysine 384-well	White transparent bottom	**MCWT24F-384-LYS-D/A**
Poly-L-Lysine 96-well	Clear	**MC42F-LYS-L/A**
Poly-L-Lysine 96-well	Black	**MCB42F-LYS-L/A**
Poly-L-Lysine 96-well	Black transparent bottom	**MCBT42F-LYS-L/A**
Poly-L-Lysine 96-well	White	**MCW42F-LYS-L/A**
Poly-L-Lysine 96-well	White transparent bottom	**MCWT42F-LYS-L/A**
Poly-L-Lysine 384-well	Clear	**MC42F-384-LYS-L/A**
Poly-L-Lysine 384-well	Black	**MCB42F-384-LYS-L/A**
Poly-L-Lysine 384-well	Black transparent bottom	**MCBT42F-384-LYS-L/A**
Poly-L-Lysine 384-well	White	**MCW42F-384-LYS-L/A**
Poly-L-Lysine 384-well	White transparent bottom	**MCWT42F-384-LYS-L/A**

Glass bottom plates · on request

Black plates with glass bottom for confocal imaging, FCS, fluorescence polarization, cell-based assays, microarrays and laser-induced fluorescence.

Plate	Code
96-well, black, glass bottom	**MCB-GB-96**
384-well, black, glass bottom	**MCB-GB-384**

HTS plates · solid

Clear, white and black polystyrene for drug-discovery HTS. White and black minimize light scatter and crosstalk.

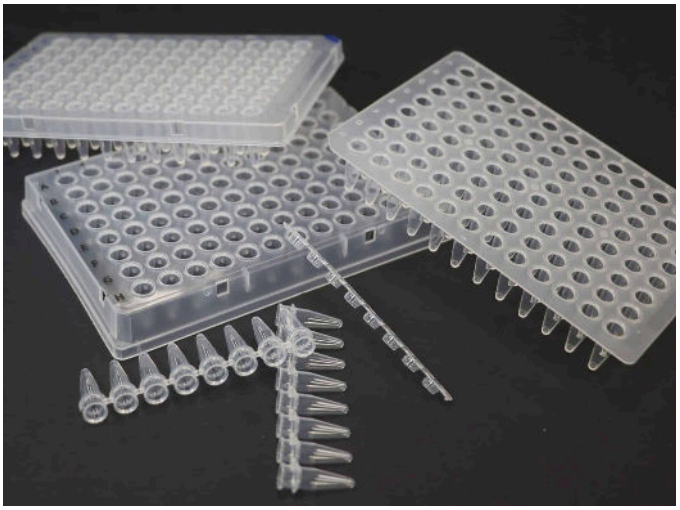
Plate	Color	Code
96-well · 400 µl	Clear	**MC0F-96**
96-well · 400 µl	Black	**MCB0F-96**
96-well · 400 µl	White	**MCW0F-96**
384-well · 120 µl	Clear	**MC0F-384**
384-well · 120 µl	Black	**MCB0F-384**
384-well · 120 µl	White	**MCW0F-384**

PCR plates, strip tubes and KingFisher™ consumables

Clear polypropylene with thin walls for efficient heat transfer from the block to the reaction. Uncoated plates and strips are free of DNA, DNase, RNase and endotoxin, temperature range -80 °C to +121 °C. Coated versions carry the same surface chemistries as our microplates.

Uncoated PCR plates and strips

Format · volume	Code
Non-skirted · 0.2 ml	**PCR960102**
Semi-skirted · 0.1 ml	**PCR960201**
Semi-skirted · 0.1 ml, ABI type	**PCR960201A**
Semi-skirted · 0.2 ml	**PCR960202**
Skirted · 0.1 ml	**PCR960301**
Skirted · 0.2 ml	**PCR960302**
8-strip tubes · caps included	**PCR-S8**



KingFisher™ compatible · Flex, Apex and Presto

Product	Details	Code
Deep Well Plate 0.2 ml	Polypropylene, square well, pyramid bottom	**DWSP-200KF**
Deep Well Plate 2.2 ml	Polypropylene, square well, pyramid bottom	**DWSP-2200KF**
96 Tip comb	For deep well magnets, magnetic particle processing	**TCRPKF**
Mats for deep well	Plug seal cover mats for 1.2 ml round-well plates	**MA-1200-TPA**

Coated PCR plates and 8-strip tubes

Coated PCR plates: 0.2 ml, non-skirted, semi-skirted or skirted. Coated 8-strip tubes: 0.2 ml, flat caps, numbered 1 to 8, 10 strips per barrier bag with desiccant, non-sterile. Coating volume 100 µl.

Surface	Plate non-skirted	Plate semi-skirted	Plate skirted	8-strip tubes
Streptavidin · non-proteic 2-8 °C · 1 year	**PCR96010STF-SA5/100/W**	**PCR96020STF-SA5/100/W**	**PCR96030STF-SA5/100/W**	
Streptavidin · standard plates 2-8 °C · 1 year / tubes 2-8 °C · 2 years	**PCR96010STF-SA5/100**	**PCR96020STF-SA5/100**	**PCR96030STF-SA5/100**	**PCR0STF-SA5/100**
Streptavidin HB · non-proteic 2-8 °C · 1 year	**PCR9601STDF-SB75/100/W**	**PCR9602STDF-SB75/100/W**	**PCR9603STDF-SB75/100/W**	
Streptavidin HB · standard plates 2-8 °C · 1 year / tubes 2-8 °C · 2 years	**PCR9601STDF-SB75/100**	**PCR9602STDF-SB75/100**	**PCR9603STDF-SB75/100**	**PCRSTDF-SB75/100**
Protein A 2-8 °C · 1 year	**PCR960106-PA**	**PCR960206-PA**	**PCR960306-PA**	**PCR06-PA**
Protein G 2-8 °C · 1 year	**PCR960109-PG**	**PCR960209-PG**	**PCR960309-PG**	**PCR09-PG**
Protein A/G 2-8 °C · 1 year	**PCR960108-PA/G**	**PCR960208-PA/G**	**PCR960308-PA/G**	**PCR08-PA/G**
Maleimide 2-8 °C · 3 months	**PCR960122-MAL**	**PCR960222-MAL**	**PCR960322-MAL**	**PCR22-MAL**
Carboxylated Room temperature · 2 years	**PCR960104-COOH**	**PCR960204-COOH**	**PCR960304-COOH**	**PCR04-COOH**

Add -T to a coated PCR plate code for a single-unit trial package.

ELISA reagents

Buffers and reagents for each step of the ELISA, from coating to detection.

Coating buffer	Format	Code
Carbonate/bicarbonate pH 9.6	Liquid 1x 100 ml	**100-9-100**
Carbonate/bicarbonate pH 9.6	Liquid 1x 500 ml	**100-9-500**
Carbonate/bicarbonate pH 9.6	Liquid 1x 1 L	**100-9-1000**
Carbonate/bicarbonate pH 9.6	Liquid 10x 100 ml	**100-11-100**
Carbonate/bicarbonate pH 9.6	Liquid 10x 500 ml	**100-11-500**
Carbonate/bicarbonate pH 9.6	Liquid 10x 1 L	**100-11-1000**
Carbonate/bicarbonate pH 9.6	Powder 1x pouch for 1 L	**100-10-1000**
Carbonate/bicarbonate pH 9.6	Powder 10x pouch for 10 L	**100-12-1000**
Phosphate pH 7.2	Liquid 1x 100 ml	**100-1-100**
Phosphate pH 7.2	Liquid 1x 500 ml	**100-1-500**
Phosphate pH 7.2	Liquid 1x 1 L	**100-1-1000**
Phosphate pH 7.2	Liquid 10x 100 ml	**100-3-100**
Phosphate pH 7.2	Liquid 10x 500 ml	**100-3-500**
Phosphate pH 7.2	Liquid 10x 1 L	**100-3-1000**
Phosphate pH 7.2	Powder 1x pouch for 1 L	**100-2-1000**
Phosphate pH 7.2	Powder 10x pouch for 10 L	**100-4-1000**
Phosphate pH 6.0	Liquid 10x 1 L	**100-7-1000**
Phosphate pH 6.0	Liquid 1x 100 ml	**100-5-100**
Phosphate pH 6.0	Liquid 1x 500 ml	**100-5-500**
Phosphate pH 6.0	Liquid 1x 1 L	**100-5-1000**
Phosphate pH 6.0	Liquid 10x 100 ml	**100-7-100**
Phosphate pH 6.0	Liquid 10x 500 ml	**100-7-500**
Phosphate pH 6.0	Powder 1x pouch for 1 L	**100-6-1000**
Phosphate pH 6.0	Powder 10x pouch for 10 L	**100-8-1000**

Wash, blocking, diluents and detection

Product	Format	Code
PBS 0.01 M pH 7.2 · wash	Liquid 100 ml	**200-1-100**
PBS 0.01 M pH 7.2 · wash	Liquid 500 ml	**200-1-500**
PBS 0.01 M pH 7.2 · wash	Liquid 1 L	**200-1-1000**
PBS 0.01 M pH 7.2 · wash	Powder pouch for 20 L	**200-2-1000**
PBS 0.01 M pH 7.2 + Tween® 20 · wash	100 ml	**200-3-100**
PBS 0.01 M pH 7.2 + Tween® 20 · wash	500 ml	**200-3-500**
PBS 0.01 M pH 7.2 + Tween® 20 · wash	1 L	**200-3-1000**
ELISA Blocking · BSA-based blocker and stabilizer	100 ml	**300-1-100**
ELISA Blocking · BSA-based blocker and stabilizer	500 ml	**300-1-500**
ELISA Blocking · BSA-based blocker and stabilizer	1 L	**300-1-1000**
BlockerWell · non-proteic blocker	1 L	**300-2-1000**
Sample Diluent	100 ml	**400-1-100**
Sample Diluent	500 ml	**400-1-500**
Sample Diluent	1 L	**400-1-1000**
Diluent for HRP conjugate	100 ml	**400-2-100**
Diluent for HRP conjugate	500 ml	**400-2-500**
Diluent for HRP conjugate	1 L	**400-2-1000**
HRP-AP Stabilizing buffer	1 L	**400-3-1000**
TMB · one-step substrate	1 L	**500-1-1000**
Stop solution for TMB	100 ml	**600-1-100**
Stop solution for TMB	1 L	**600-1-1000**

Accessories

Product	Details	Code
Frame 12 x 8	For 12 strips of 8 wells (360 and 400 µl) · 200 frames per unit	**FR2**
Single-well holding frame	For 12 breakable strips (350, 360, 400 µl) · 200 frames per unit	**FRG2**
Strip remover	Removes breakable strips from the frame · 500 pieces per unit	**SR-8**
Barrier bags	Re-sealable, aluminum layer, barrier to light, gas and moisture	**AB-rs**
Desiccant	Silica gel, 5 g bags, color change indicates moisture	**Sg 5**

Surfaces and plates developed with your team

Customized surfaces are developed jointly with the customer to optimize the performance of the kit. We start from your requirements and work with your R&D team from feasibility to production.

Plate customization

Color-coded strips, with the color on the upper rim, and number-coded strips for precise identification. OEM branding directly on the plate frames.

Coating services

Our surfaces applied to standard microplates or to your parts in polystyrene, polypropylene and COC, including point-of-care devices: microplates, tubes, slides and microchannel devices. Every batch tested and supplied with a Certificate of Quality.

Custom microplates and engineering

Dimensions, well shapes, coatings and formats designed with you. 3D modeling and prototypes to test handling before tooling, then production through to packaging and labeling.

Plasma treatment

Cold plasma for hydrophilic or hydrophobic surfaces, cleaning, etching and better adhesion. It changes only the surface layer, runs at low temperature and leaves no chemical waste.

Quality you can document

- ISO 9001 certified since 2002, updated to ISO 9001:2015 in June 2017. Current certificate at biomat.it/quality.
- Every lot tested for uniformity and reproducibility.
- Every lot compared with previous lots, including aging stages.
- Certificate of Quality for every lot, in digital and physical format.
- Documentation on request: ISO 9001:2015 certificate, lot-specific Certificate of Quality, product data sheets.
- Facilities powered by 100% renewable energy.
- Optimized processes to reduce material waste.

Tell us your binding molecule and your detection method

Our technical team will suggest the surfaces to evaluate, check trial package availability and quote volumes for your production.

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Specifications and codes as published on biomat.it in October 2026. The current data sheet on each product page applies.