

Multiplexing Made Easy

MILLIPLEX® Premixed Kits & Custom Premix Service

We provide our customers the most flexibility and quickest turn-around-times, while maintaining high-quality assays. For a wide selection of kits, we offer fixed premixed and bulk premixed bead kits, and for other kits, we offer our custom premixing service in which you can select your analytes and our scientists will mix the beads for your convenience.

MILLIPLEX® Premixed Kit List

Human Premixed Kits

Human Cytokine Panel A 38-Plex

Cat. No. HCYTA-60K-PX38
Bulk Cat. No. HCYTA-60K-PXBK38

**For cell culture supernatant only in premixed kit.*

EGF	IL-13
Eotaxin	IL-15
G-CSF	IL-17A
GM-CSF	IL-17E/IL-25
IFNα2	IL-17F
IFNγ	IL-18
IL-1α	IL-22
IL-1β	IP-10
IL-1RA	MCP-1
IL-2	M-CSF
IL-3	MIG/CXCL9
IL-4	MIP-1α
IL-5	MIP-1β
IL-6	PDGF-AA
IL-7	PDGF-AB/BB
IL-8	*RANTES
IL-10	TNFα
IL-12 (p40)	TNFβ
IL-12 (p70)	VEGF-A

Human Cytokine Panel A 48-Plex

Cat. No. HCYTA-60K-PX48
Bulk Cat. No. HCYTA-60K-PXBK48

RANTES for cell culture supernatant only in premixed kit.

All tests in Human 38-Plex Cytokine Panel A plus:	GROα
sCD40L	IL-9
FGF-2	IL-27
FLT-3L	MCP-3
Fractalkine	MDC
	TGFα

Human Cytokine Panel B 38-Plex **New!**

Cat. No. HCYTB-60K-PX38
Bulk Cat. No. HCYTB-60K-PXBK38

6Ckine	IL-21
APRIL	IL-23
BAFF	IL-28A/IFNλ2
BCA-1	IL-29/IFNλ1
sCD137	IL-31
CTACK	IL-33
ENA-78	I-TAC
Eotaxin-2	LIF
Eotaxin-3	MCP-2
sFas	MCP-4
sFasL	MIP-1δ
Granzyme A	MIP-3α
Granzyme B	Perforin
HMGB1	SCF
I-309	SDF-1
IFNβ	TARC
IFNω	TPO
IL-16	TRAIL
IL-20	TSLP

Human Cytokine Panel B 48-Plex **New!**

Cat. No. HCYTB-60K-PX48
Bulk Cat. No. HCYTB-60K-PXBK48

All tests in Human 38-Plex Cytokine Panel B plus:	IL-24
CCL28	IL-34
CXCL6/GCP-2	IL-35
CXCL16	Lymphotoxin/XCL1
IL-11	MIP-3β
	MIP-1

Human Cytokine Panel IV 20-Plex

Cat. No. HCY4MG-64K-PX20
Bulk Cat. No. HCP4MG64KPX20BK

**For serum and plasma only*

IL-14	IL-19
BAFF	IL-24
BRAC	IL-28B
CXCL16	IL-32α
CCL28	IL-34
HCC-4	IL-35
*HMGB1	IL-36β
MPIF	IL-37
IFNβ	IL-38
MIP-4	YKL40

Human Interferon Panel 9-Plex **New!**

Cat. No. HIFN-130K-PMX9

IFNα2	IFNω
IFNβ	IL-28A/IFNλ2
IFNγ	IL-28B/IFNλ3
IFNγ Receptor 1 (IFNGR1)	IL-29/IFNλ1
IFNε	

Human High Sensitivity T Cell 13-Plex

Cat. No. HSTCMAG28SPMX13
Bulk Cat. No. HSTCMAG28PMX13BK

GM-CSF	IL-4
IFNγ	IL-5
IL-10	IL-6
IL-12 (p70)	IL-7
IL-13	IL-8
IL-1β	TNFα
IL-2	

Human High Sensitivity T Cell 21-Plex

Cat. No. HSTCMAG28SPMX21 (96-well kit)
Bulk Cat. No. HSTCMAG28PMX21BK

Cat. No. HSTCMAG384-PX21 (384-well kit)
Bulk Cat. No. HSTCMAG384PX21BK

All tests in Human HS Panel 13-Plex plus:	IL-23
Fractalkine	I-TAC
IL-17A	MIP-1α
IL-21	MIP-1β
	MIP-3α

Human Th17 25-Plex

Cat. No. HT17MG-14K-PX25
Bulk Cat. No. HT17MAG14PMX25BK

GM-CSF	IL-17E
IFNγ	IL-17F
IL-1β	IL-21
IL-2	IL-22
IL-4	IL-23
IL-5	IL-27
IL-6	IL-28A
IL-9	IL-31
IL-10	IL-33
IL-12p70	MIP-3α
IL-13	TNFα
IL-15	TNFβ
IL-17A	





Human CD8+ T Cell 17-Plex

Cat. No. HCD8MAG15K17PMX
Bulk Cat. No. HCD8MAG15KPMX17BK

sCD137	IL-5
sFas	IL-6
sFasL	IL-10
GM-CSF	IL-13
Granzyme A	MIP-1α
Granzyme B	MIP-1β
IFNγ	Perforin
IL-2	TNFα
IL-4	

Human Soluble Cytokine Receptor 14-Plex

Cat. No. HSCRMAG32KPX14
Bulk Cat. No. HSCRMAG32PMX14BK

sCD30	sIL-6R
sEGFR	sRAGE
sGP130	sTNF-RI
sIL-1RI	sTNF-RII
sIL-1RII	sVEGFR1
sIL-2Rα	sVEGFR2
sIL-4R	sVEGFR3

Human Immuno-Oncology Checkpoint Protein Panel 1 17-Plex

Cat. No. HCKP1-11K-PX17
Bulk Cat. No. HCKP1-11K-PXBK17

BTLA	HVEM
CD27	ICOS
CD28	LAG-3
CD40	PD-1
CD80/B7-1	PD-L1
CD86/B7-2	PD-L2
CTLA-4	TIM-3
GITR	TLR-2
GITRL	

Human Diabetes 5-Plex

Cat. No. HDIAB-34K-PMX5
Bulk Cat. No. HDIAB34KPMX5BK

C-Peptide	Insulin
GLP-1 (active)	Leptin
Glucagon	

Non-Human Primate Premixed Kits

Non-Human Primate Cytokine Panel A 38-Plex

Cat. No. PRCYTA-40K-PX38
Bulk Cat. No. PRCYTA-40K-BK38
**For cell culture supernatant only.*

sCD137	IL-15
CD40L	IL-17A
sFASL	IL-18
G-CSF	IL-21
GM-CSF	IL-22
Granzyme A	IL-23
Granzyme B	IL-33
IFNα2	IP-10
IFNγ	I-TAC
IL-1β	MCP-1
IL-1RA	MIG
IL-2	MIP-1α
IL-4	MIP-1β
IL-5	MIP-3α
IL-6	Perforin
IL-7	*RANTES
IL-8	TGFα
IL-10	TNFα
IL-12(p70)	VEGF-A

Non-Human Primate Cytokine Panel A 48-Plex

Cat. No. PRCYTA-40K-PX48
Bulk Cat. No. PRCYTA-40K-BK48
RANTES for cell culture supernatant only in premixed kit.

All tests in NHP 38-Plex Cytokine Panel A plus:	IL-1α
	IL-16
	IL-17E
	IL-28A
BCA-1	IL-31
Eotaxin	TNFβ
FGF-2	
Fractalkine	

Mouse Premixed Kits

Mouse Cytokine Panel 1 25-Plex

Cat. No. MCYTOMAG-70K-PMX
Bulk Cat. No. MCYTMAG70PMX25BK

GM-CSF	IL-13
IFNγ	IL-15
IL-1α	IL-17a
IL-1β	MCP-1
IL-2	TNFα
IL-4	G-CSF
IL-5	IP-10
IL-6	KC
IL-7	MIP-1α
IL-9	MIP-1β
IL-10	MIP-2
IL-12p40	RANTES
IL-12p70	

Mouse Cytokine Panel 1 32-Plex

Cat. No. MCYTMAG-70K-PX32
Bulk Cat. No. MCYTMAG70PMX32BK

All tests in Mouse 25-Plex Cytokine Panel 1 plus:	LIF
	LIX
	M-CSF
	MIG
IL-3	VEGF-A
Eotaxin	

Mouse Cytokine Panel 2 14-Plex

Cat. No. MECY2MAG-73KPX
Bulk Cat. No. MECY2MAG73KPXBK

Erythropoietin (EPO)	IL-16
Exodus-2/ CCL21/6Ckine	IL-17A/F
Fractalkine/ CX3CL1	IL-20
IFNβ1	MCDC/CCL22
IFNγ	MCP-5/CCL12
IL-11	MIP-3α/CCL20
	MIP-3β/CCL19
	TARC/CCL17

Mouse High Sensitivity T Cell 18-Plex

Cat. No. MHSTCMAG-70KPMX
Bulk Cat. No. MHSTCMAG-70KPXBK

GM-CSF	IL-17A
IFNγ	IL-1α
IL-10	IL-1β
IL-12 (p70)	IL-2
KC/GROα	IL-4
LIX	IL-5
MCP-1	IL-6
MIP-2	IL-7
IL-13	TNFα

Mouse Th17 25-Plex

Cat. No. MT17MAG47K-PX25
Bulk Cat. No. MT17MAG47PMX25BK

GM-CSF	IL-17F
IFNγ	IL-21
IL-1β	IL-22
IL-2	IL-23
IL-4	IL-27
IL-5	IL-28A
IL-6	IL-28B
IL-10	IL-31
IL-12 (p70)	IL-33
IL-13	MIP-3α
IL-15	TNFα
IL-17A	TNFβ
IL-17E/IL-25	

Mouse CD8+ T Cell 15-Plex

Cat. No. MCD8MAG48K-PX15
Bulk Cat. No. MCD8MAG48KPX15BK

sCD137	IL-5
sFas	IL-6
sFasL	IL-10
GM-CSF	IL-13
Granzyme B	MIP-1β
IFNγ	RANTES
IL-2	TNFα
IL-4	

Mouse Immuno-Oncology Checkpoint Panel 1 28-Plex

Cat. No. MCKP1-110K-PX28
Bulk Cat. No. MCKP1-110K-PBK28

4-1BBL	Galectin-1
5'-NT	Galectin-3
B7-H2	GITR
B7-H3	Granzyme B
BCA-1	HVEM
BTLA	IFNγ
CD137	IL-10
CD226	LAG-3
CD25	PD-1
CD27	PD-L1
CD40	PD-L2
CD80	TIM-3
CTLA-4	TLR-2
E-Cadherin	TNFα

Rat Premixed Kits

Rat Cytokine 27-Plex

Cat. No. RECYMAG65K27PMX

Bulk Cat. No. RECYMAG65PMX27BK

EGF	IL-12p70
Eotaxin	IL-13
Fractalkine	IL-17A
G-CSF	IL-18
GM-CSF	IP-10
GRO-KC	Leptin
IFN γ	LIX
IL-1 α	MCP-1
IL-1-b	MIP-1 α
IL-2	MIP-2
IL-4	RANTES
IL-5	TNFA
IL-6	VEGF
IL-10	

Companion & Agricultural Animals Premixed Kits

Canine Cytokine 13-Plex

Cat. No. CCYTMG-90K-PX13

Bulk Cat. No. CCYTMAG90KPX13BK

IL-2	GM-CSF
IL-6	IFN γ
IL-7	IP-10
IL-8	KC-like
IL-10	MCP-1
IL-15	TNFA
IL-18	

Porcine Cytokine 13-Plex

Cat. No. PCYTMG-23K-13PX

Bulk Cat. No. PCYTMAG23PMX13BK

GM-CSF	IL-6
IFN γ	IL-8
IL-1 α	IL-10
IL-1RA	IL-12
IL-1 β	IL-18
IL-2	TNFA
IL-4	

Feline Cytokine 19-Plex

Cat. No. FCYTMAG-20K-PMX

Bulk Cat. No. FCYTMAG20KPMX19BK

Fas	IL-13
Flt-3L	IL-18
GM-CSF	KC
IFN γ	MCP-1
IL-1 β	PDGF-BB
IL-2	RANTES
IL-4	SCF
IL-6	SDF-1
IL-8	TNFA
IL-12 (p40)	

Chicken Cytokine 12-Plex

Cat. No. GCYT1-16K-PX12

Bulk Cat. No. GCYT1-16KPMX12BK

IFN α	IL-21
IFN γ	M-CSF
IL-2	MIP-1 β
IL-6	MIP-3 α
IL-10	RANTES
IL-16	VEGF

Bovine Cytokine Panel 1 15-Plex

Cat. No. BCYT1-33K-PX15

Bulk Cat. No. BCYT1-33K-PX15BK15

IFN γ	IL-36RA
IL-1 α	IP-10
IL-1 β	MCP-1
IL-4	MIP-1 α
IL-6	MIP-1 β
IL-8	TNFA
IL-10	VEGF-A
IL-17A	

Ovine Cytokine 14-Plex

Cat. No. SCYT-91K-PX14

Bulk Cat. No. SCYT-91K-PX14BK14

IFN γ	IL-17A
IL-1 α	IL-36RA
IL-1 β	IP-10
IL-4	MIP-1 α
IL-6	MIP-1 β
IL-8	TNFA
IL-10	VEGF-A

Equine Cytokine 23-Plex

Cat. No. EQCYTMG-93KPMX23

Bulk Cat. No. EQCTMG93KPMX23BK

Eotaxin	IL-6
FGF-2	IL-8
Fractalkine	IL-10
G-CSF	IL-12p70
GM-CSF	IL-13
GRO	IL-17A
IFN γ	IL-18
IL-1 α	IP-10
IL-1 β	MCP-1
IL-2	RANTES
IL-4	TNFA
IL-5	

Multiple Species

Multi-Species TGF β 3-Plex

Cat. No. TGFBMAG-64K-03

TGF β 1	TGF β 3
TGF β 2	



MILLIPLEX® Custom Premix Service

Save time by letting us do the mixing for you!

For your convenience, we offer a bead premix service for select MILLIPLEX® kits. The custom premix option offers:

- Easy online ordering (just select the “Custom Premixing” option when building your MILLIPLEX® kit online)
- Any number of kits
- Any number of analytes within a qualifying kit (see table below)
- Time saved in your lab — we mix the beads for you so you can get right to your experiment
- Custom premixed bead vials are quality assurance tested to ensure all of the requested beads are included
- Delivery time: up to an additional 10 days

Custom premix kits will contain premixed beads (no individual bead bottles). These kits will not include bead diluent, as this material is consumed during the custom premixing process.



MILLIPLEX® Kits Available for Custom Premixing Service*

Kit	Cat. No.
Human Cytokine/Chemokine/Growth Factor Panel A	HCYTA-60K
Human Cytokine/Chemokine/Growth Factor Panel B New!	HCYTB-60K
Human Cytokine/Chemokine Panel IV	HCYP4MAG-64K
Human Interferon Panel New!	HIFN-130K
Human High Sensitivity T Cell Panel	HSTCMAG-28SK
Human CD8+ T Cell Panel	HCD8MAG-15K
Human Immunoglobulin Isotyping Panel	HGAMMAG-301K
Human Complement Expanded Panel 1 New!	HCMPEX1-19K
Human Complement Panel 2	HCMP2MAG-19K
Non-Human Primate Cytokine/Chemokine/Growth Factor Panel A	PRCYTA-40K
Mouse Immuno-Oncology Checkpoint Protein Panel 1	MCKP1-110K
Mouse Cytokine/Chemokine Panel 1	MCYTOMAG-70K
Mouse Cytokine/Chemokine Panel 2	MECY2MAG-73K
Mouse Soluble Cytokine Receptor Panel	MSCRMAG-42K
Mouse Th17 Panel	MTH17MAG-47K
Mouse CD8+ T Cell Panel	MCD8MAG-48K
Mouse Immunoglobulin Isotyping Panel	MGAMMAG-300K
Rat Cytokine/Chemokine Panel	RECYTMAG-65K
Canine Cytokine/Chemokine Panel	CCYTOMAG-90K
Porcine Cytokine/Chemokine Panel	PCYTOMAG-23K
Chicken Cytokine/Chemokine Panel	GCYT1-16K
Bovine Cytokine/Chemokine Panel 1	BCYT1-33K
Ovine Cytokine/Chemokine Panel 1	SCYT1-91K
Equine Cytokine/Chemokine Panel	EQCYTMAG-93K

*For all other MILLIPLEX® kit premixing inquiries, please contact a member of our Technical Support team.

For Research Use Only. Not For Use In Diagnostic Procedures.

For more information on MILLIPLEX® multiplex kits, visit SigmaAldrich.com/milliplex-learn

To place an order or receive technical assistance in Europe, please call Customer Service:

France: 0825 045 645
Germany: 069 86798021
Italy: 848 845 645

Spain: 901 516 645 Option 1
Switzerland: 0848 645 645
United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840

Or visit: SigmaAldrich.com/offices

For Technical Service visit: SigmaAldrich.com/techservice

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