

MILLIPLEX® Humanized Mouse Panel 41-Plex

MERCK

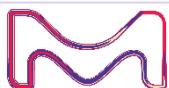
MILLIPLEX® Humanized Mouse Panel

Properties

Plex-size	41
Species reactivity	Human/Mouse
Available kit types	Cat. No. HUMU-210K – Configurable, custom premixed beads Cat. No. HUMU-210K-PMX, HUMU-210K-PMXBK – Fixed 41-plex premix, bulk space saver packaging optional
Sample type and preparation	Serum, EDTA Plasma – 10 µL neat; no dilution required cell culture supernatants – may require dilution in appropriate control media
Sample volume per well	10 µL neat sample per well

Assay Specifications

Precision (%CV) – ON protocol	Intra-assay - ≤10%; Inter-assay - ≤15%* *Inter-assay ≤20% for Human IFNy
Cross reactivity	There was no or negligible cross-reactivity between the antibodies for an analyte and any of the other analytes in this panel except for Human IL-5 on Human IL-12p40 beads at 11%.
Spike Recovery in Serum Matrix	87%-99%
Spike Recovery in Samples	>70% of analytes between 70-130%
Dilution Linearity in Samples	88%-123%



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Analytes Included

Mouse	Human
G-CSF	G-CSF
GM-CSF	GM-CSF
IFN γ	IFN γ
	IL-1 α
IL-1 β	IL-1 β
IL-2	IL-2
IL-3	IL-3
	IL-4
IL-5	IL-5
IL-6	IL-6
	IL-7
KC	IL-8

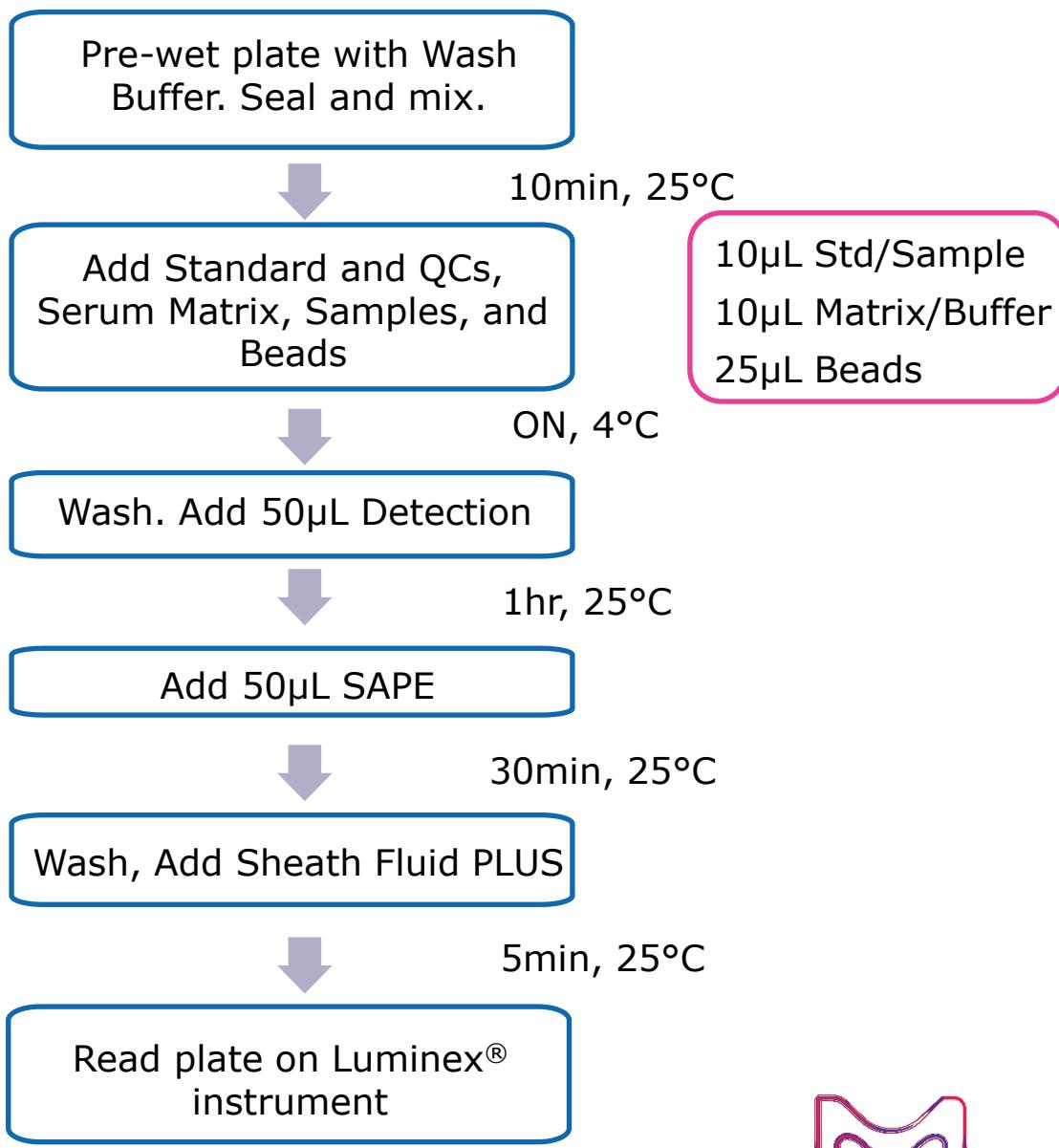
Mouse	Human
IL-12p40	IL-12p40
IL-12p70	IL-12p70
	IL-15
IL-17A	IL-17A
IL-18	IL-18
	IL-10
M-CSF	M-CSF
MCP-1	MCP-1
MIG	MIG
IP-10	IP-10
TNF α	TNF α

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

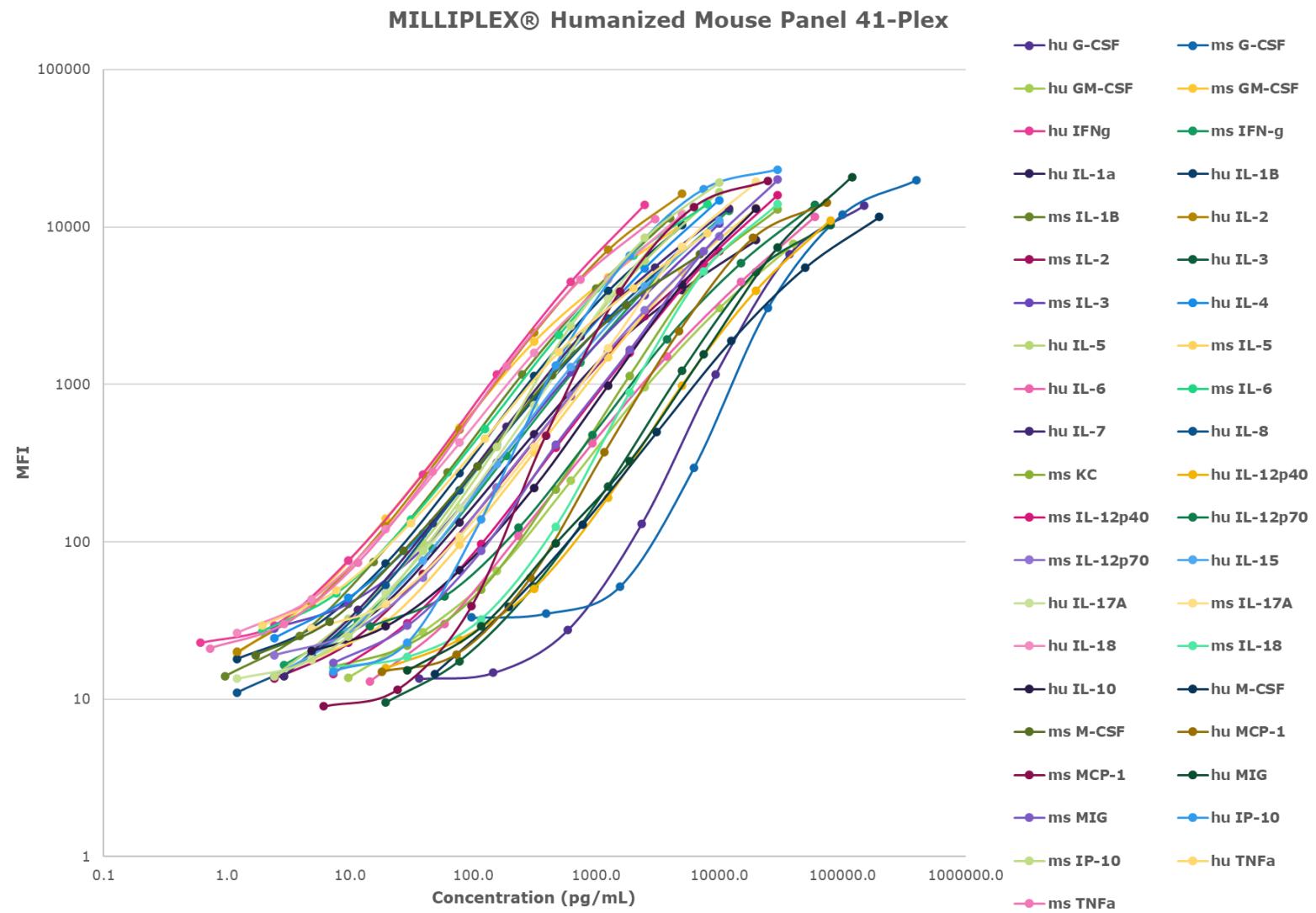


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Assay duration	Overnight ONLY
Kit manufacturing facility	ISO9001:2015 compliant
Kit components	Standard Cocktail Quality Controls Detection Antibody Cocktail Serum Matrix Bead Diluent Antibody-Immobilized Beads Assay Buffer Wash Buffer SAPE 96-Well Plate and Sealers Kit protocol



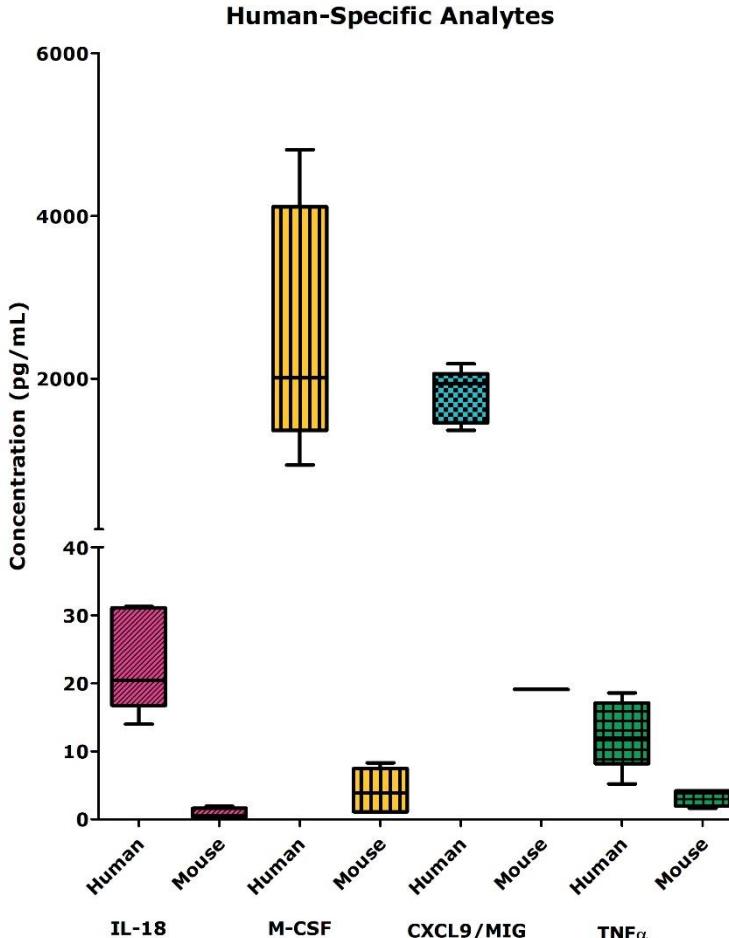
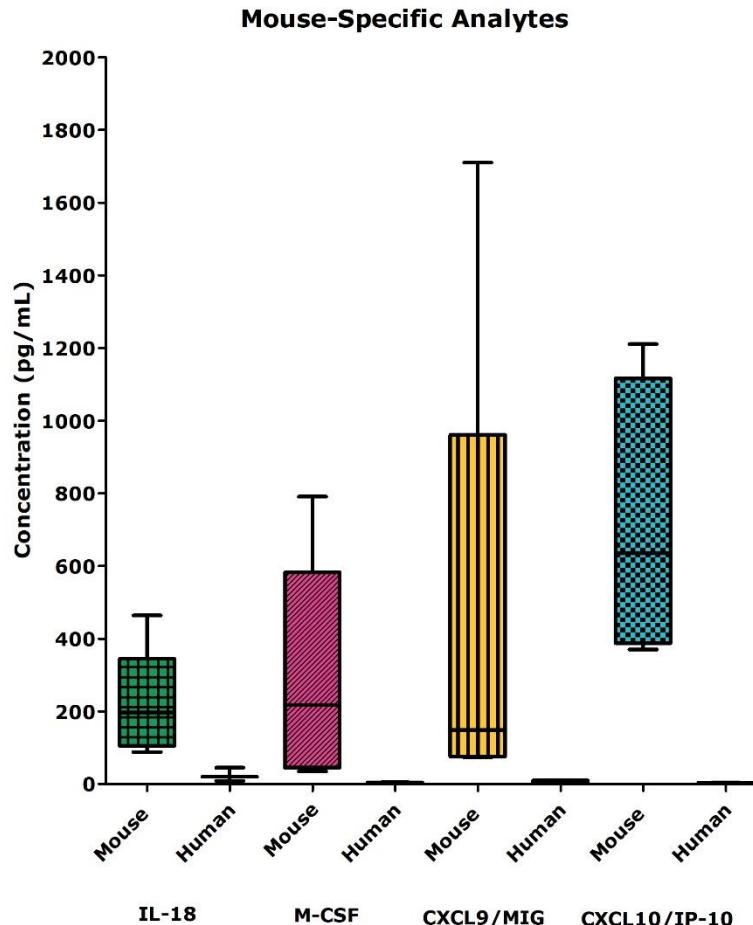
MILLIPLEX® Humanized Mouse Panel Standard Curves



Standard Curves in Serum Matrix with Overnight Primary Incubation



MILLIPLEX® Humanized Mouse Panel Species Specificity



5 human samples (2 serum, 3 plasma) and 6 serum mouse samples (2 Balb/C, 2 C57BL/6, 2 Swiss Webster) were tested in duplicate. When tested for the presence of mouse analytes, human samples were non-detectable or below LLOQ. Similarly, mouse samples tested for human analytes were also non-detectable or below LLOQ.



Discover More

See our posters at upcoming conferences

AAI – Honolulu, HI

- Multiplex profiling of human and mouse cytokines in humanized mouse models – *date and time TBD*

AACR – Chicago, IL

- Novel multiplex immunoassay for simultaneous profiling of human and mouse immunomodulatory proteins in humanized models
 - April 28th 9am-12pm CST
 - Poster Section 54, Board Number 3
- Evaluating U5 snRNP200-targeting CAR-T therapy for acute myeloid leukemia: A novel multiplex immunoassay for analyte discrimination in mouse models
 - April 28th 9am-12pm CST
 - Poster Section 54, Board Number 5



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