



HAMSTER CYTOKINE PANEL 1 (9-PLEX)

CERTIFICATE OF ANALYSIS

(Part ID: H101-K; Lot ID: K22608)

Use

For the detection of 9 hamster cytokines/chemokines (**IL-10, IL-2, IL-4, IL-6, IFN γ , MCP-1, MIP-1 α , TNF α & VEGF**) in serum, plasma, tissue homogenates, and bronchial lavage.

Kit Components

Note:

Kit Components			
Kit Component	Part Number	Lot Number	Number Supplied
Hamster MAP 1 Beads	H101-B	K22609	1
Hamster MAP 1 Detection	H101-D	K22658	1
Hamster MAP 1 Standard	H101-S	K22659	1
Hamster MAP 1 Control 1	H101-C1	K22612	1
Hamster MAP 1 Control 2	H101-C2	K22613	1
Standard Curve Diluent	H101-SCD	K22614	1
Blocking Buffer	H101-BL	K22615	1
Streptavidin-PE	SAPE4-250	K22657	1
Sample Diluent	B116-15	K22668	1
Assay Buffer 10X	B110-25	K22645	1
Clear Bottom Black Assay Plate	NA	NA	1

Storage and Stability

Store kit at 2°C - 8°C.

Expiration Date: 1 year from date of receipt; Do not use beyond the expiration date



Standard Concentrations:

Standard Level	IFN γ [pg/mL]	IL-10 [pg/mL]	IL-2 [pg/mL]	IL-4 [pg/mL]	IL-6 [pg/mL]	MCP-1 [pg/mL]	MIP-1 α [pg/mL]	TNF α [pg/mL]	VEGF [pg/mL]
S8	22000	9000	2500	5600	8600	3000	25000	4000	825
S7	6286	2571	714	1600	2457	857	7143	1143	236
S6	1796	735	204	457	702	245	2041	327	67
S5	513	210	58	131	201	70	583	93	19
S4	147	60	17	37	57	20	167	27	5.5
S3	42	17	4.8	11	16	5.7	48	7.6	1.6
S2	12	4.9	1.4	3.0	4.7	1.6	14	2.2	0.45
S1	3.4	1.4	0.39	0.87	1.3	0.47	3.9	0.62	0.13

Control Ranges:

Control	Range	IFN γ [pg/mL]	IL-10 [pg/mL]	IL-2 [pg/mL]	IL-4 [pg/mL]	IL-6 [pg/mL]	MCP-1 [pg/mL]	MIP-1 α [pg/mL]	TNF α [pg/mL]	VEGF [pg/mL]
1	Low	77	38	13	14	18	60	109	17	6.7
	High	231	113	40	42	53	181	328	52	20
2	Low	450	362	137	143	164	304	959	165	43
	High	1350	1086	410	429	491	913	2878	496	128