



Protein Standards for Rat Inflammation ELISA Strip

Catalog Number EA-1202

(For Research Use Only)

Tube	Protein	Stock Conc.	Volume
#1	Rat TNFa	400ng/ml	10ul
#2	Rat IL-6	400ng/ml	10ul
#3	Rat IFNr	400ng/ml	10ul
#4	Rat IL-a	400ng/ml	10ul
#5	Rat IL-b	400ng/ml	10ul
#6	Rat MCP-1	400ng/ml	10ul
#7	Rat Rantes	400ng/ml	10ul
#8	Rat MIP-1α	400ng/ml	10ul

Preparation of protein standard dilutions

1. Add 200ul of Diluent buffer the wells of the first strip, and add 100ul of Diluent buffer to the wells of the rest strips according to the following table.
2. Add appropriate amount of protein standards to the first strip according to the table 1.
3. Use multi-channel pipette to mix the dilutions and transfer 100ul to the next dilution wells.
4. Repeat the transfer until 5th strip. Trash 100ul from 5th strip after mixing. Do not transfer to the 6th Strip

Note: Substrate incubation time may vary due to different antibodies reactivity. Stronger signals (Strong blue color) could be stopped early after 5 minutes. Weaker signals should be incubated for 10-30 minutes. Always stop protein standards along with samples from the same row at the same time.

Table 1: Dilution of protein standards

Protein	Added to 1st Strip						
	1st Strip	2nd Strip	3rd Strip	4th Strip	5th Strip	6th Strip	
Rat TNFa	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat IL-6	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat IFNr	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat IL-1a	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat IL-1b	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat MCP-1	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat Rantes	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Rat MIP-1α	4ul	200ul	100ul	100ul	100ul	100ul	100ul
			1:2	1:4	1:8	1:16	Blank

Table 2: Concentrations of Protein Standard Dilutions

<u>Protein</u>		<u>1:2</u>	<u>1:4</u>	<u>1:8</u>	<u>1:16</u>	<u>Blank</u>
Rat TNFa	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat IL-6	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat IFN γ	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat IL-1a	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat IL-1b	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat MCP-1	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat Rantes	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Rat MIP-1 α	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank