



Protein Standards for Human Growth Factor I ELISA Strip

Catalog Number EA-1062

(For Research Use Only)


<u>Tube</u>	<u>Protein</u>	<u>Stock Conc.</u>	<u>Volume</u>
#1	Human VEGF	400ng/ml	10ul
#2	Human EGF	400ng/ml	10ul
#3	Human TNFa	400ng/ml	10ul
#4	Human IFNr	400ng/ml	10ul
#5	Human PDGF-BB	400ng/ml	10ul
#6	Human PIGF-1	400ng/ml	10ul
#7	Human b-NGF	400ng/ml	10ul
#8	Human SCF	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 1ul of diluted protein standards to the first strip according to the following table.
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



<u>Protein</u>	<u>Added to 1st Strip</u>						
	<u>Strip</u>	<u>1st Strip</u>	<u>2nd Strip</u>	<u>3rd Strip</u>	<u>4th Strip</u>	<u>5th Strip</u>	<u>6th Strip</u>
Human VEGF	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human EGF	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human TNFa	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human IFNr	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human PDGF-BB	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human PIGF-1	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human b-NGF	4ul	200ul	100ul	100ul	100ul	100ul	100ul
Human SCF	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>
Human VEGF	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human EGF	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human TNFa	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human IFNr	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human PDGF-BB	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human PIGF-1	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human b-NGF	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Human SCF	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank