

Technical Data about “YK090 Glucagon EIA Kit”

1. Intra assay reproducibility: Mouse plasma specimens

	N	Average(pg/mL)	S. D. (pg/mL)	C. V. (%)
Sample 1.	10	3735	80.35	2.15%
Sample 2.	10	1437	26.12	1.82%
Sample 3.	10	633	44.07	6.96%

2. Inter assay reproducibility: Mouse plasma specimens

	N	Average(pg/mL)	S. D. (pg/mL)	C. V. (%)
Sample 1.	5	3980	192.6	4.84%
Sample 2.	5	1535	75.85	4.94%
Sample 3.	5	720	46.74	6.49%

3. Added recovery assay

Plasma 1.	Sample	Glucagon added	Observed	Expected	Recovery
	No.	pg/mL	pg/mL	pg/mL	%
	1.	0	604	604	—
	2.	200	757	744	101.8
	3.	1000	1559	1544	101.0
Plasma 2.	4.	5000	5221	5544	94.2
	Sample	Glucagon added	Observed	Expected	Recovery
	No.	pg/mL	pg/mL	pg/mL	%
	1.	0	810	810	—
	2.	200	885	929	95.3
	3.	1000	1659	1729	96.0
	4.	5000	5540	5729	96.7

4. Effect of addition of 500kIU/mL Aprotinin, in normal healthy Mouse EDTA plasma

Mouse Plasma 1.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
1.	241	275

Mouse Plasma 2.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
2.	322	347

Mouse Plasma 3.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
3.	356	405

5. Effect of addition of 500kIU/mL Aprotinin, in normal healthy Rat EDTA plasma

Rat Plasma 1.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
1.	183	302

Rat Plasma 2.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
2.	188	392

Rat Plasma 3.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
3.	212	339

6. Effect of addition of 500kIU/mL Aprotinin, in normal healthy Human EDTA plasma

Human Plasma 1.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
1.	181	288

Human Plasma 2.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
2.	271	369

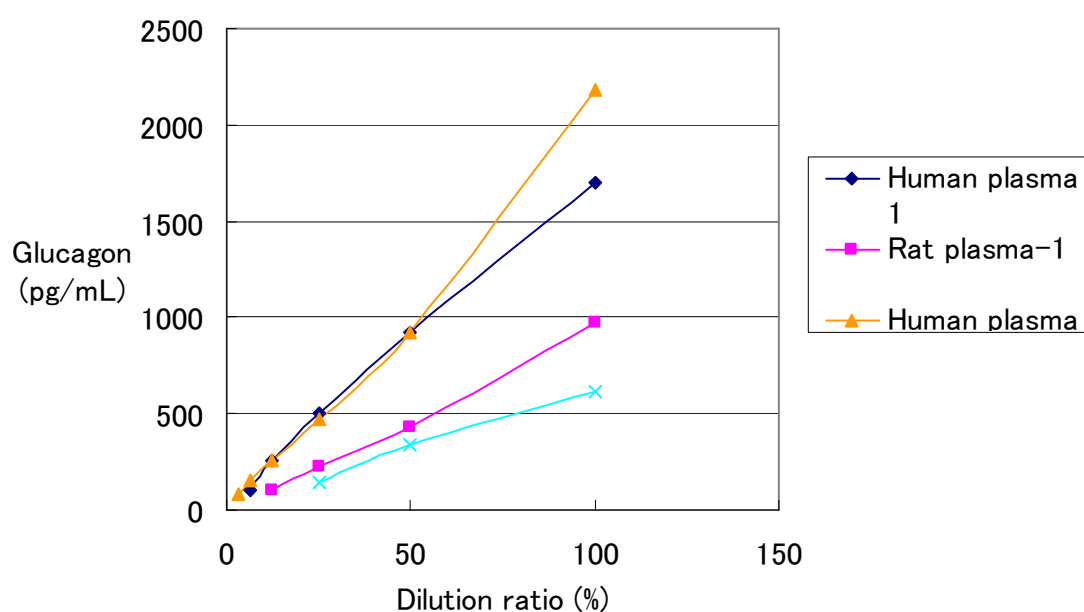
Human Plasma 3.

Sample	Aprotinin (+)	Aprotinin (–)
No.	pg/mL	pg/mL
3.	148	243

- Glucagon is traditionally measured with Aprotinin added specimens in the world. So generally Aprotinin added Glucagon value is adapted.

7. Dilution linearity

Dilution%	Human plasma 1	Rat plasma-1	Human plasma 2	Rat plasma-2
100	1702	977	2179	619
50	920	432	924	333
25	505	230	474	141
12.5	255	102	252	
6.25	104		150	
3.125			86	



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