

# ELISAs for carbohydrate and lipid metabolism research

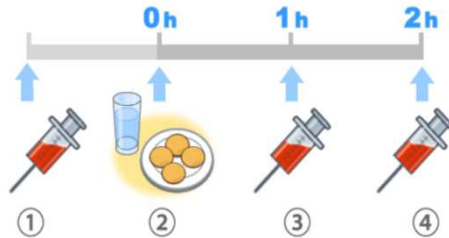
Product #	Product Name	Measurement Range	Application Samples	Size
27784	GLP-1, Active form Assay Kit – IBL (Human / Mouse / Rat)	1.25 – 80 pmol/L	EDTA-Plasma (DPP-IV Inhibitor is contained.)	96 Well
27788	GLP-1, Inactive form Assay Kit – IBL (Human / Mouse / Rat)	1.25 – 80 pmol/L	EDTA-Plasma (DPP-IV Inhibitor is NOT required.) Cell Culture Supernatant	
27201	Human GIP, Active form Assay Kit - IBL	0.31 – 20.07 pmol/L	EDTA-Plasma (DPP-IV inhibitor has to be added.)	Serum, EDTA-Plasma Cell Culture Supernatant
27203	Human GIP, Total Assay Kit - IBL	1.88 – 120 pmol/L	EDTA-Plasma Cell Culture Supernatant	
27775	Human Leptin (highly sensitive) Assay Kit – IBL	15.63 – 1,000 pg/mL		
27997	Human FGF21 Assay Kit - IBL	31.3 – 2,000 pg/mL		
27996	Human FGF19 Assay Kit – IBL	23.4 – 1,500 pg/mL		
27184	Human Lipoprotein Lipase (LPL) Assay Kit - IBL	0.04 – 2.8 ng/mL		
27182	Human Endothelial Lipase (EL) Assay Kit - IBL	31.3 – 2,000 pg/mL		
27181	Human ApoB-100 Assay Kit – IBL	0.13 – 8.4 µg/mL		

## Fasting test (Cookie meal test)

## Human blood samples

### Nutritional information

Energy	592kcal
Protein	8.0g
Fat	28.5g
Glucose	75.0g
Fiber	0.5g – 4.0g
Sodium	125mg
Sucrose	0g

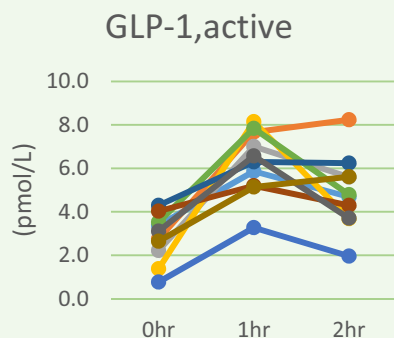


(Protocol of cookie meal test)

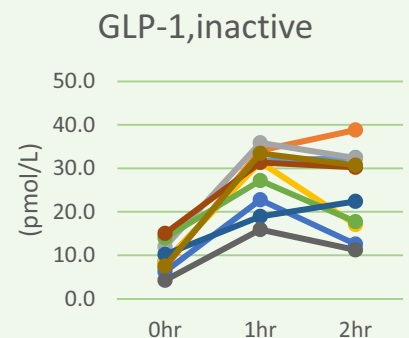
10 healthy adult people

- Not to have any meal or drink except water in the morning.
- ① Collect blood in fasting.
- ② Start eating cookies (0h) and completely eat all cookies within 20 to 30 minutes. (eat ½ cookies within 10mins and the rest of cookies within another 10 to 20 minutes).
- ③ Collect blood 1hour later from the time finish to eat ½ cookies.
- ④ Collect blood 2 hour later from the time finish to eat ½ cookies.

No.	27784		
Assay	GLP-1, active(pmol/L)		
Collection Tube	BD P800		
subjects	Plasma		
Dilution	x2		
	0hr	1hr	2hr
No.1	3.4	5.9	4.7
No.2	2.7	7.7	8.2
No.3	2.2	7.0	5.6
No.4	1.4	8.2	3.7
No.5	0.8	3.3	2.0
No.6	3.5	7.8	4.8
No.7	4.3	6.3	6.2
No.8	4.0	5.2	4.3
No.9	3.1	6.6	3.7
No.10	2.6	5.1	5.6

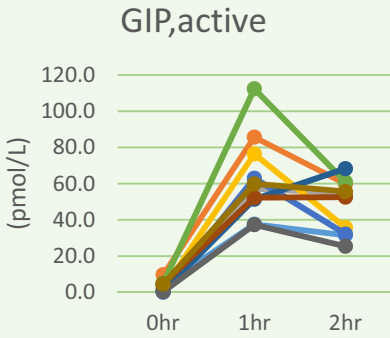


No.	27788		
Assay	GLP-1, inactive(pmol/L)		
Collection Tube	EDTA-2Na		
subjects	Plasma		
Dilution	x2		
	0hr	1hr	2hr
No.1	8.5	31.7	32.5
No.2	7.2	34.1	38.8
No.3	12.0	35.9	32.4
No.4	8.6	31.4	17.0
No.5	6.2	22.8	12.6
No.6	14.0	27.2	17.7
No.7	10.1	18.9	22.4
No.8	15.0	31.4	30.2
No.9	4.2	15.9	11.2
No.10	7.5	33.4	30.7

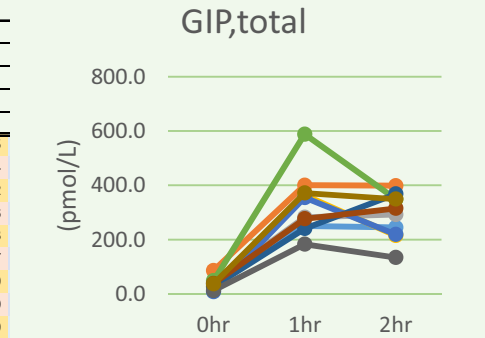




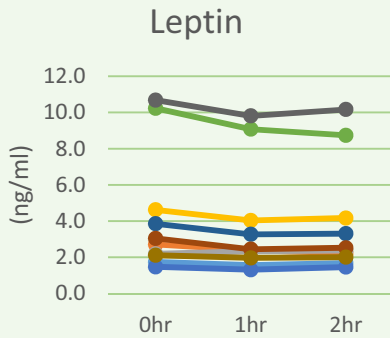
No.	27201		
Assay	GIP, active(pmol/L)		
Collection Tube	BD P800		
subjects	Plasma		
Dilution	x5		
	0hr	1hr	2hr
No.1	3.6	37.6	31.5
No.2	9.6	85.7	59.8
No.3	2.4	57.2	54.7
No.4	1.5	76.4	35.7
No.5	0.0	63.0	32.1
No.6	5.1	112.4	60.9
No.7	0.7	51.4	68.3
No.8	4.6	52.2	52.5
No.9	0.3	37.3	25.4
No.10	4.6	59.9	55.7



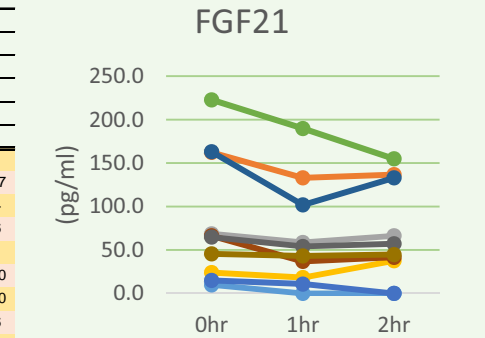
No.	27203		
Assay	GIP, total(pmol/L)		
Collection Tube	BD P800		
subjects	Plasma		
Dilution	x5		
	0hr	1hr	2hr
No.1	38.6	250.0	244.5
No.2	85.9	400.2	398.4
No.3	40.8	282.0	292.2
No.4	24.0	363.6	214.6
No.5	7.8	354.7	218.8
No.6	48.5	588.2	348.7
No.7	28.1	240.7	367.9
No.8	38.3	276.7	315.0
No.9	12.3	182.9	133.9
No.10	37.0	371.6	349.1



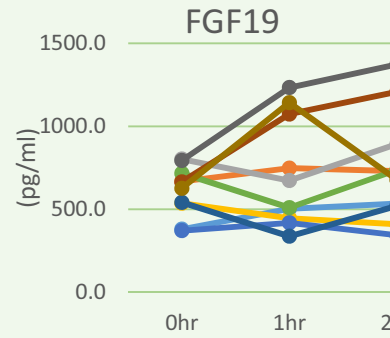
No.	27775		
Assay	Human Leptin (ng/ml)		
Collection Tube	Plain		
subjects	Serum		
Dilution	x16		
	0hr	1hr	2hr
No.1	1.7	1.6	1.7
No.2	2.7	2.4	2.2
No.3	2.2	2.3	2.4
No.4	4.6	4.0	4.2
No.5	1.5	1.3	1.5
No.6	10.2	9.1	8.7
No.7	3.9	3.3	3.3
No.8	3.0	2.4	2.5
No.9	10.7	9.8	10.2
No.10	2.1	2.0	2.0



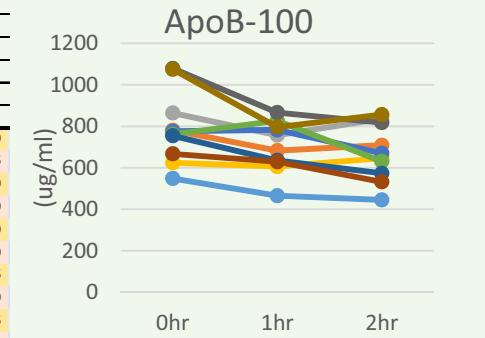
No.	27997		
Assay	FGF21 (pg/ml)		
Collection Tube	EDTA-2Na		
subjects	Plasma		
Dilution	x2		
	0hr	1hr	2hr
No.1	9.9	0.0	0.0
No.2	162.3	133.0	136.7
No.3	68.7	58.7	66.4
No.4	24.0	18.3	37.6
No.5	15.0	10.8	0.0
No.6	222.8	189.8	155.0
No.7	163.0	101.9	133.0
No.8	66.3	36.8	41.6
No.9	64.8	54.0	57.1
No.10	45.5	43.1	44.7



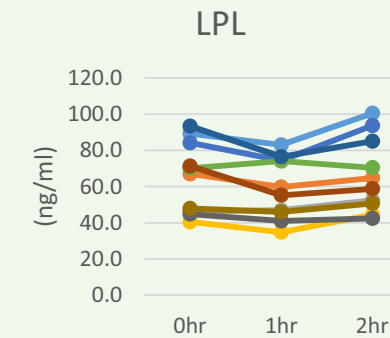
No.	27996		
Assay	FGF19 (pg/ml)		
Collection Tube	EDTA-2Na		
subjects	Plasma		
Dilution	x4		
	0hr	1hr	2hr
No.1	379.7	503.1	533.8
No.2	668.2	747.8	730.0
No.3	802.2	672.9	892.4
No.4	536.6	446.5	409.3
No.5	371.3	418.6	343.6
No.6	716.9	509.6	737.5
No.7	541.3	337.1	520.8
No.8	664.5	1073.3	1207.5
No.9	793.8	1233.0	1372.2
No.10	626.2	1142.2	677.6



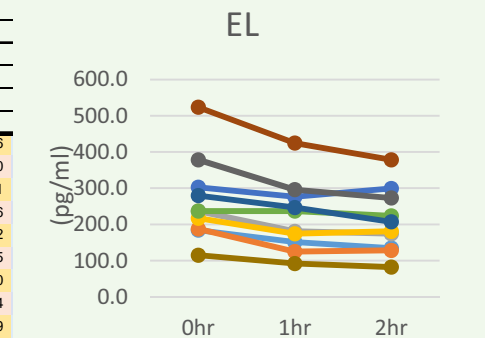
No.	27181		
Assay	ApoB-100 (ug/ml)		
Collection Tube	Plain		
subjects	Serum		
Dilution	x500		
	0hr	1hr	2hr
No.1	548.5	465.5	445.0
No.2	781.0	682.5	708.5
No.3	864.0	757.5	836.0
No.4	624.0	606.0	646.0
No.5	775.5	782.5	670.0
No.6	761.5	826.5	631.0
No.7	754.5	635.5	573.5
No.8	667.0	629.0	532.0
No.9	1078.5	866.0	817.5
No.10	1075.0	796.0	856.5



No.	27184		
Assay	Human LPL (ng/ml)		
Collection Tube	Plain		
subjects	Serum		
Dilution	x100		
	0hr	1hr	2hr
No.1	89.2	83.0	100.5
No.2	67.0	59.7	64.7
No.3	46.2	47.0	52.4
No.4	40.5	34.8	44.4
No.5	84.1	74.4	93.7
No.6	70.2	74.1	70.4
No.7	93.4	76.5	85.1
No.8	71.3	55.2	58.7
No.9	44.8	41.0	42.4
No.10	47.8	45.9	50.7



No.	27182		
Assay	Human EL (pg/ml)		
Collection Tube	Plain		
subjects	Serum		
Dilution	x4		
	0hr	1hr	2hr
No.1	183.9	151.0	134.6
No.2	187.2	124.7	128.0
No.3	236.6	180.6	174.1
No.4	216.9	174.1	180.6
No.5	302.5	276.2	299.2
No.6	236.6	236.6	223.5
No.7	279.5	246.5	207.0
No.8	523.5	424.5	378.4
No.9	378.4	295.9	272.9
No.10	114.8	91.8	82.0



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