

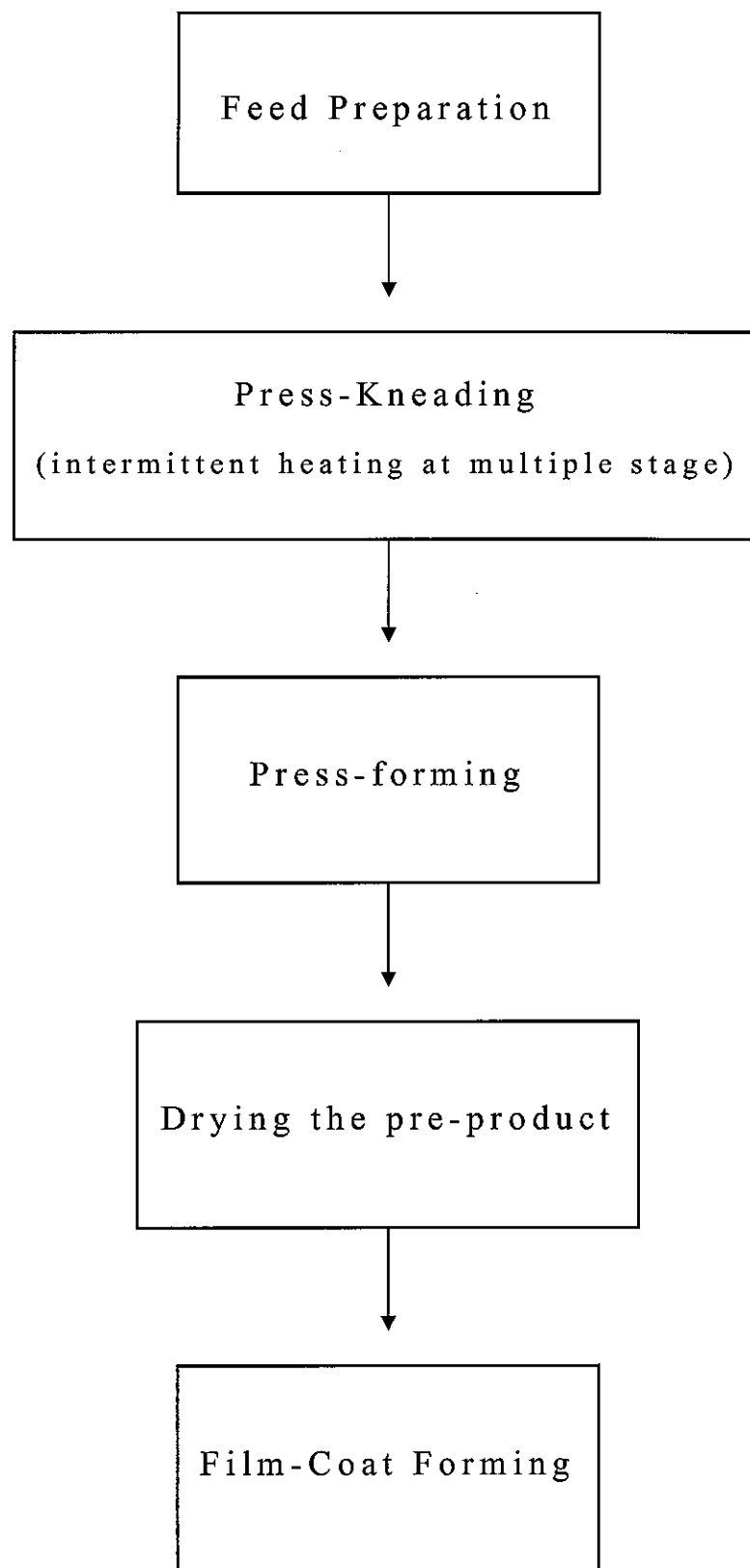


Fig.1

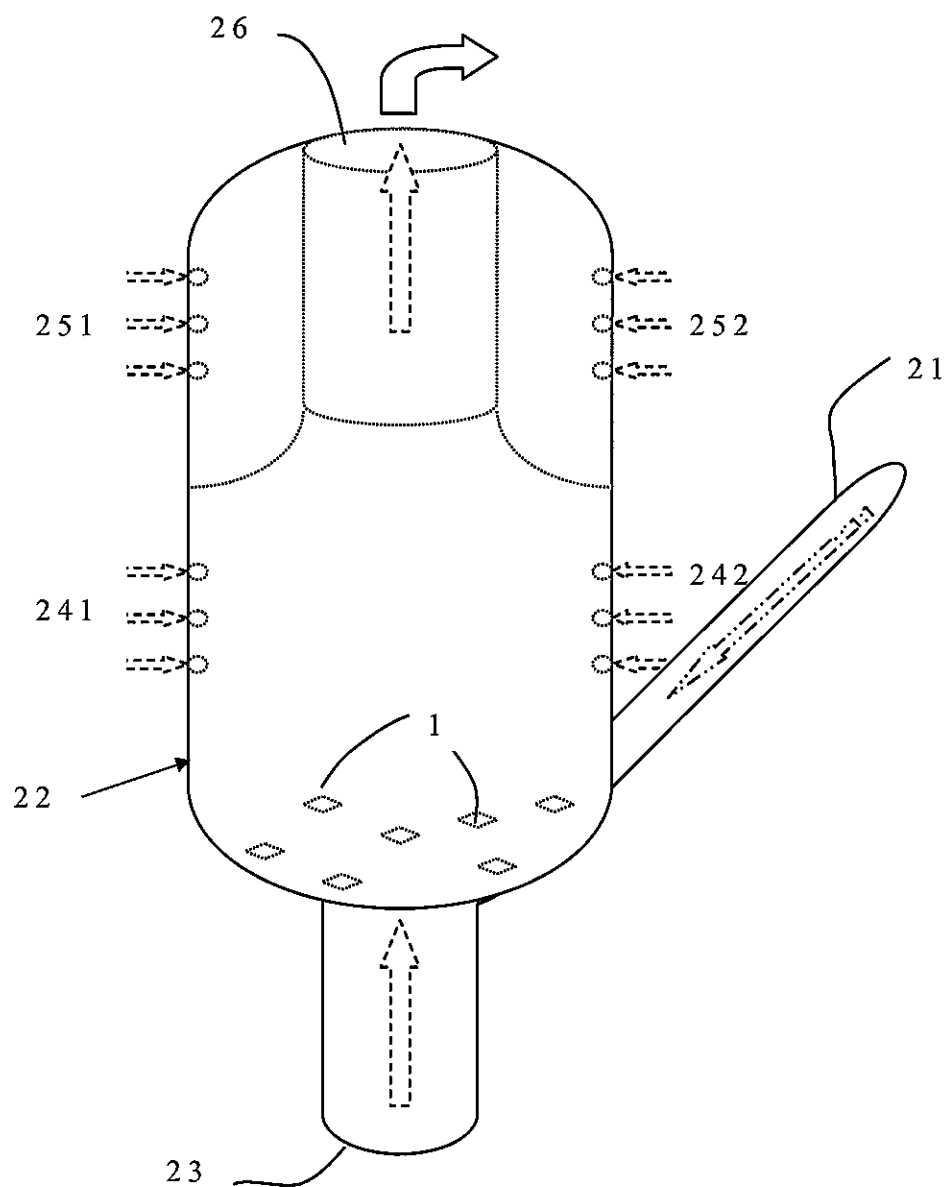


Fig.2

Plasma Glucose Level(mg/dL)				
Day	Hour(hr)PC	TK9-Base Meal	PPB-R-203-Based Meal	P-value
1	Breakfast			
	AC	89.05 ± 3.89	90.10 ± 5.12	0.469
	0.25	126.15 ± 16.07	109.05 ± 12.88	< 0.001*
	0.5	110.15 ± 14.79	94.45 ± 12.83	< 0.001*
	0.75	102.95 ± 13.79	85.85 ± 9.74	< 0.001*
	1	101.25 ± 13.06	88.75 ± 10.19	0.002*
	1.5	99.30 ± 12.57	87.15 ± 12.50	0.004*
	2	89.35 ± 9.12	89.15 ± 7.76	0.941
	3	87.00 ± 5.47	92.80 ± 5.45	0.002*
	Lunch			
	AC	75.30 ± 4.24	82.45 ± 4.67	< 0.001*
	2	93.20 ± 11.78	88.10 ± 8.81	0.129
	Dinner			
	AC	76.60 ± 5.20	83.10 ± 5.04	< 0.001*
	2	92.15 ± 14.97	92.05 ± 12.75	0.982
2	Night Snack			
	HS	102.95 ± 18.87	97.40 ± 15.74	0.319
	Breakfast			
	AC	89.00 ± 4.69	90.65 ± 7.60	0.414
	0.25	118.15 ± 19.45	110.30 ± 22.15	0.241
	0.5	102.30 ± 21.29	95.50 ± 16.51	0.266
	0.75	98.45 ± 15.12	93.20 ± 15.88	0.291
	1	95.85 ± 14.12	90.80 ± 11.82	0.228
	1.5	97.45 ± 8.36	90.35 ± 7.89	0.009*
	2	92.75 ± 9.11	89.25 ± 7.36	0.189
	3	86.20 ± 6.69	90.40 ± 8.22	0.084
	Lunch			
	AC	79.35 ± 6.37	82.90 ± 5.77	0.072
	2	89.55 ± 13.16	84.70 ± 7.50	0.160
	Dinner			
	AC	77.15 ± 4.79	82.00 ± 5.47	0.005*
	2	93.70 ± 11.20	92.15 ± 12.56	0.683
	Night Snack			
	HS	96.65 ± 16.15	98.85 ± 14.18	0.869

Fig.3A

Plasma Glucose Level(mg/dL)				
Day	Hour(hr)PC	TK9-Base Meal	PPB-R-203-Based Meal	P-value
3	Breakfast			
	AC	86.70 ± 3.73	88.20 ± 4.29	0.245
	0.25	123.45 ± 20.19	115.80 ± 11.71	0.151
	0.5	111.15 ± 16.55	100.25 ± 15.26	0.037*
	0.75	103.70 ± 15.20	93.40 ± 15.70	0.042*
	1	101.65 ± 11.51	95.00 ± 13.10	0.096
	1.5	97.15 ± 10.23	92.85 ± 10.01	0.187
	2	85.40 ± 7.04	89.05 ± 9.87	0.186
	3	84.35 ± 5.31	90.85 ± 5.74	< 0.001*
	Lunch			
	AC	75.80 ± 4.56	80.40 ± 5.16	0.005*
	2	89.10 ± 12.58	91.25 ± 10.38	0.559
	Dinner			
	AC	72.70 ± 6.77	80.40 ± 5.59	< 0.001*
	2	101.40 ± 19.79	91.20 ± 10.91	0.051
	Night Snack			
	HS	96.95 ± 13.30	94.80 ± 10.66	0.576
4	Breakfast			
	AC	86.25 ± 3.89	89.75 ± 4.10	0.009*
	0.25	125.35 ± 14.59	119.40 ± 13.76	0.192
	0.5	114.10 ± 15.72	99.30 ± 11.08	0.001*
	0.75	105.20 ± 17.39	89.90 ± 11.48	0.002*
	1	96.45 ± 14.22	84.85 ± 10.28	0.005*
	1.5	88.60 ± 8.91	87.10 ± 5.40	0.524
	2	82.65 ± 7.65	87.20 ± 3.71	0.022*
	3	82.50 ± 5.25	86.75 ± 4.44	0.009*
	Lunch			
	AC	72.55 ± 4.86	76.35 ± 4.08	0.011*
	2	100.25 ± 15.75	91.70 ± 10.88	0.053
	Dinner			
	AC	68.05 ± 6.75	79.15 ± 5.70	< 0.001*
	2	90.70 ± 10.03	83.95 ± 6.35	0.015*
	Night Snack			
	HS	99.35 ± 13.18	94.80 ± 11.53	0.253
Data were described as Mean ± SD				

*: significant difference compared regimen with PPB-R-203-Based Meal and regimen with TK9-Based Meal

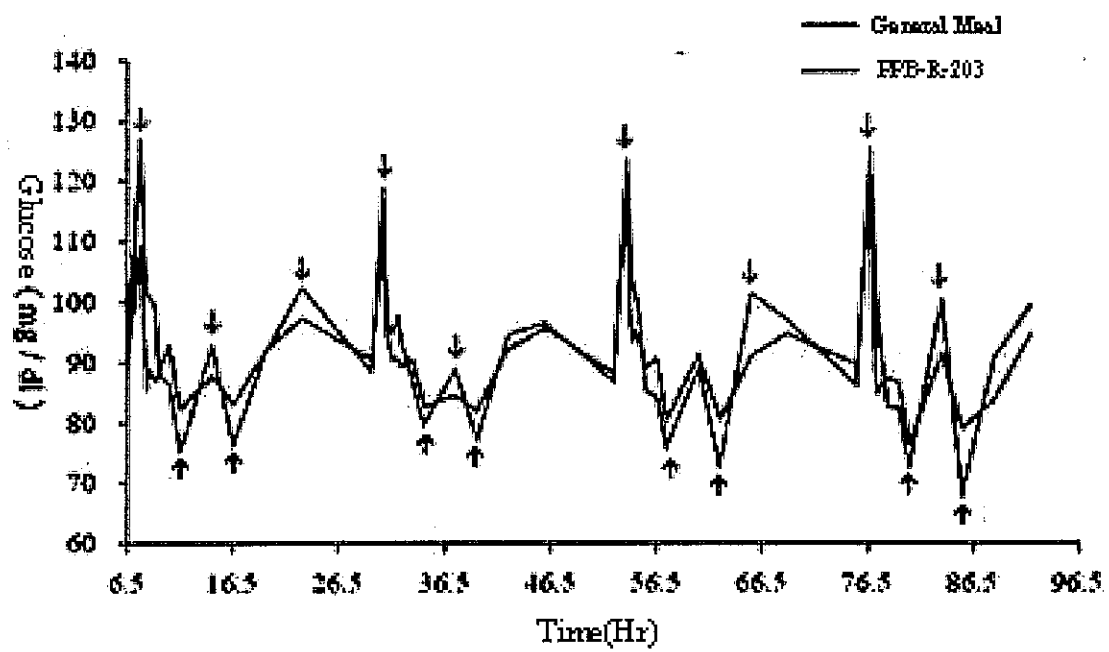


Fig.4

Plasma Glucose Level(mg/dL)				
Day	Hour(hr)PC	TK9-Base Meal	PPB-R-203-Based Meal	P-value
1-4	Breakfast			
	AC	87.60 ± 3.27	89.68 ± 4.03	0.082
	0.25	123.58 ± 12.77	113.64 ± 12.75	0.019*
	0.5	109.05 ± 12.69	97.38 ± 10.03	0.003*
	0.75	101.76 ± 11.21	90.59 ± 8.73	0.001*
	1	98.35 ± 9.87	89.85 ± 9.32	0.008*
	1.5	95.83 ± 7.37	89.36 ± 6.60	0.006*
	2	87.24 ± 4.32	88.66 ± 5.13	0.348
	3	84.90 ± 3.82	90.20 ± 4.29	< 0.001*
	Lunch			
	AC	75.73 ± 3.48	80.53 ± 3.49	< 0.001*
	2	92.76 ± 9.44	88.94 ± 6.87	0.151
	Dinner			
	AC	73.54 ± 4.64	81.18 ± 4.14	<0.001*
	2	94.53 ± 10.33	89.84 ± 6.63	0.096
	Night Snack			
	HS	98.79 ± 10.19	95.71 ± 10.01	0.342

Data were described as Mean ± SD

*: significant difference compared regimen with PPB-R-203-Based Meal and regimen with TK9-Based Meal

Fig.5

Serum Insulin Level(μ U/mL)				
Day	Hour(hr)PC	TK9-Base Meal	PPB-R-203-Based Meal	P-value
1	Breakfast			
	AC	5.29 $\pm$ 1.74	5.90 $\pm$ 2.34	0.350
	0.25	75.97 $\pm$ 41.22	44.67 $\pm$ 20.72	0.004*
	0.5	57.12 $\pm$ 26.21	33.23 $\pm$ 15.28	0.001*
	0.75	48.33 $\pm$ 25.34	23.05 $\pm$ 11.62	< 0.001*
	1	42.93 $\pm$ 17.17	19.24 $\pm$ 10.36	< 0.001*
	1.5	40.76 $\pm$ 29.65	14.23 $\pm$ 8.78	< 0.001*
	2	22.29 $\pm$ 12.13	9.01 $\pm$ 3.94	< 0.001*
	3	8.77 $\pm$ 5.58	6.58 $\pm$ 2.86	0.127
2	Breakfast			
	AC	5.99 $\pm$ 1.82	6.30 $\pm$ 2.57	0.657
	0.25	85.33 $\pm$ 43.78	75.06 $\pm$ 41.34	0.450
	0.5	68.19 $\pm$ 38.50	49.13 $\pm$ 26.25	0.075
	0.75	48.1 $\pm$ 26.92	34.61 $\pm$ 25.01	0.109
	1	47.13 $\pm$ 26.06	30.89 $\pm$ 17.47	0.026*
	1.5	40.78 $\pm$ 20.26	23.84 $\pm$ 13.89	0.004*
	2	31.69 $\pm$ 24.95	16.94 $\pm$ 8.64	0.017*
	3	14.56 $\pm$ 7.12	10.88 $\pm$ 5.31	0.072
3	Breakfast			
	AC	6.29 $\pm$ 2.18	6.21 $\pm$ 1.77	0.893
	0.25	65.06 $\pm$ 28.56	61.46 $\pm$ 30.86	0.704
	0.5	53.69 $\pm$ 19.64	41.65 $\pm$ 18.53	0.053
	0.75	50.15 $\pm$ 27.35	32.55 $\pm$ 16.19	0.018*
	1	46.25 $\pm$ 25.36	32.17 $\pm$ 20.01	0.059
	1.5	31.57 $\pm$ 15.94	22.59 $\pm$ 11.23	0.046*
	2	14.74 $\pm$ 8.56	12.64 $\pm$ 6.69	0.392
	3	6.54 $\pm$ 2.57	7.37 $\pm$ 3.61	0.409
4	Breakfast			
	AC	5.01 $\pm$ 1.57	5.19 $\pm$ 1.99	0.754
	0.25	53.71 $\pm$ 24.73	48.69 $\pm$ 20.22	0.486
	0.5	47.9 $\pm$ 17.39	34.69 $\pm$ 12.87	0.009*
	0.75	36.94 $\pm$ 20.62	20.46 $\pm$ 8.49	0.002*
	1	29.2 $\pm$ 16.98	13.14 $\pm$ 5.35	< 0.001*
	1.5	15.83 $\pm$ 10.03	8.15 $\pm$ 3.38	0.002*
	2	8.76 $\pm$ 4.65	6.37 $\pm$ 2.86	0.057
	3	4.15 $\pm$ 1.81	4.19 $\pm$ 1.64	0.952

Data were described as Mean $\pm$ SD

*: significant difference compared regimen with PPB-R-203-Based Meal and regimen with TK9-Based Meal

Fig.6A

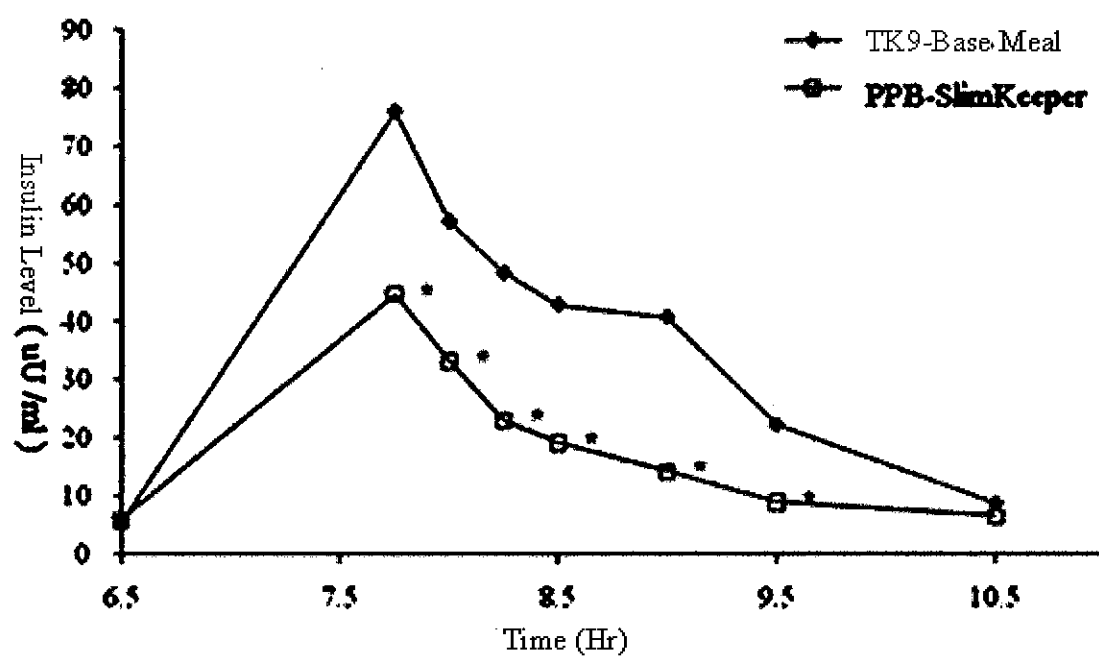


Fig.6 B

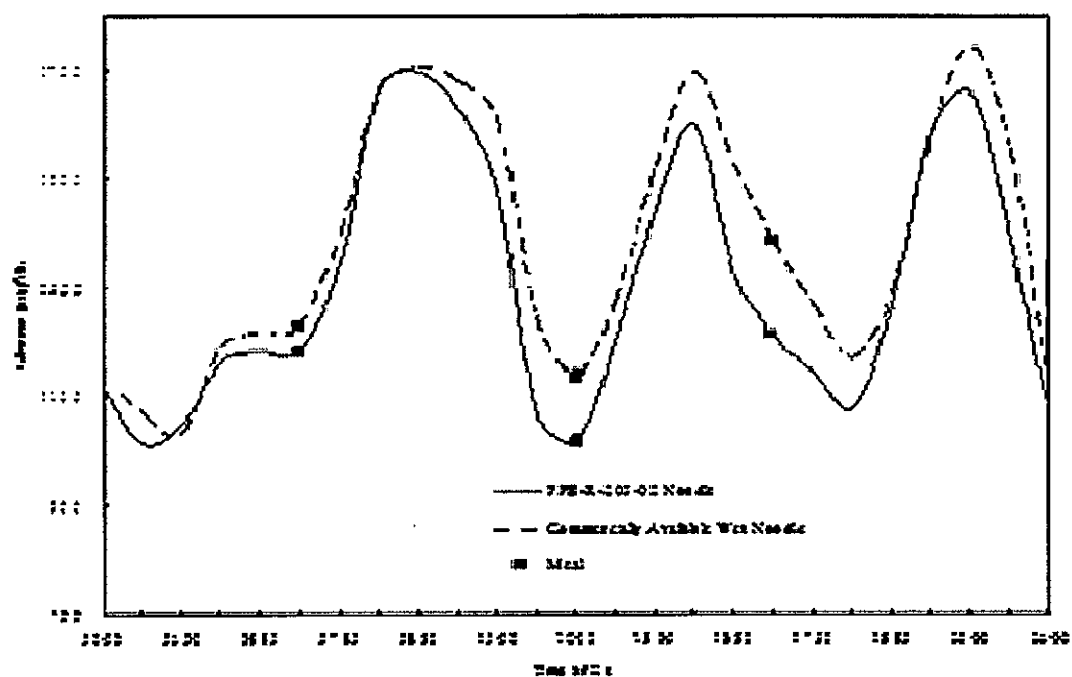


Fig.7A

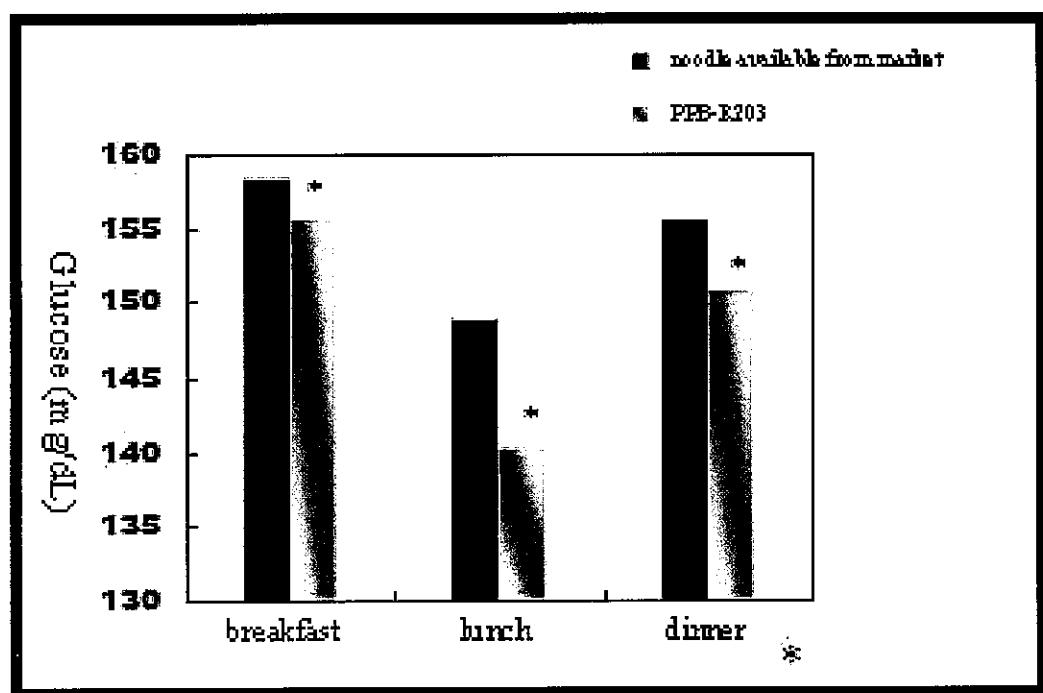


Fig.7B

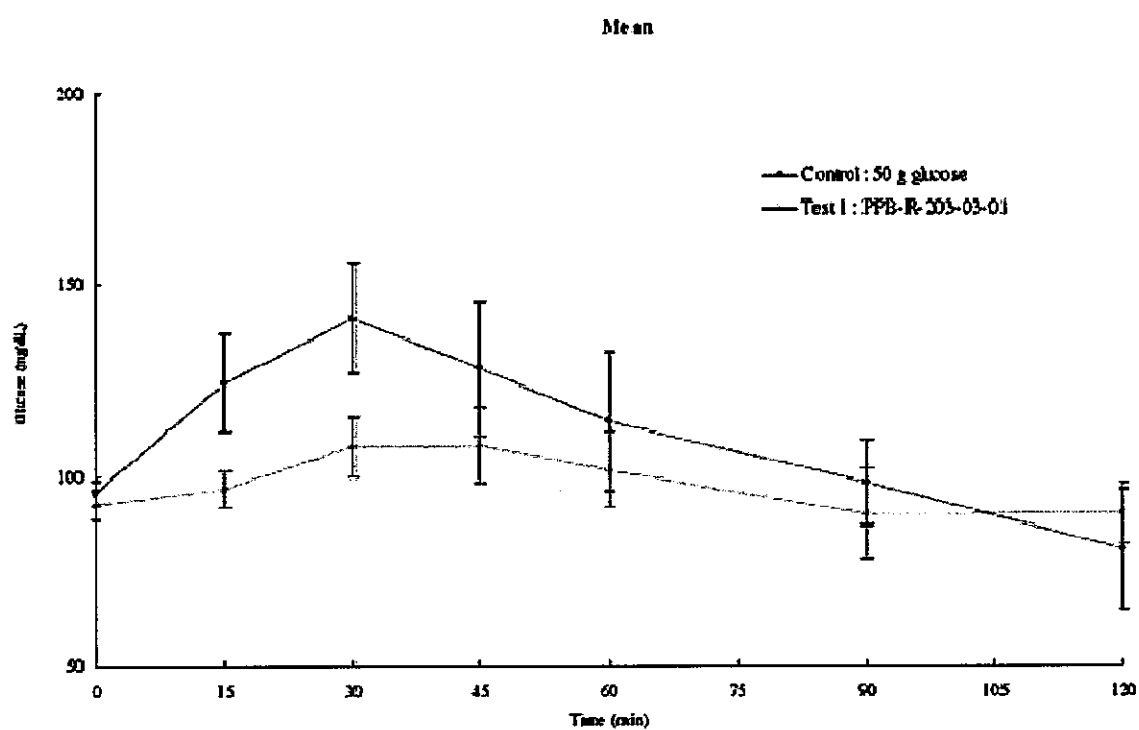


Fig.8A

Glycemic Index (GI)	
Subject	PFB-R-203-03-01
1	42.9
2	34.0
3	34.2
4	21.8
5	27.4
6	53.2
7	48.0
8	38.6
Mean	37.5
SD	10.4

Fig.8B