

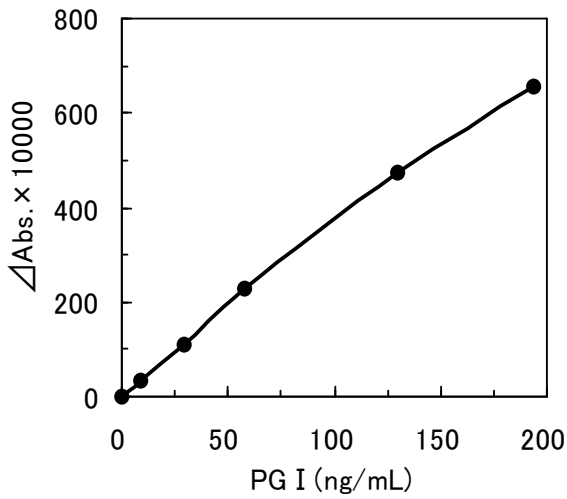
CIAS LATEX PG I(S) CIAS LATEX PG II(S)



Characteristics

- It can be grasped the state of the gastric mucosa by measuring the PG I, PG II and PG I/II ratio.
- The measurement principle is Latex turbidimetric immunoassay(LTIA).

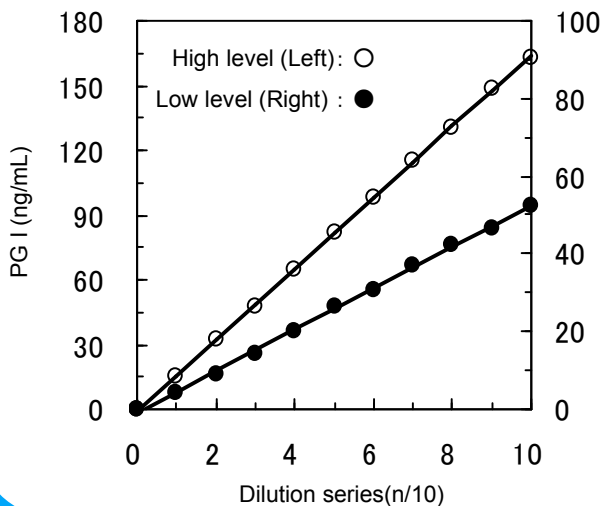
Calibration



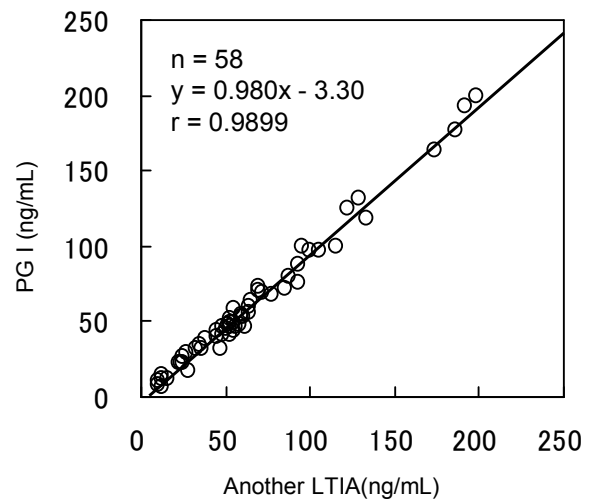
With-run precision

	Sample 1	Sample 2	Sample 3
N	20	20	20
Mean	19.09	38.90	98.21
Max	20.0	40.0	99.4
Min	17.4	36.5	96.9
Range	2.5	3.5	2.6
SD	0.619	0.699	0.722
CV (%)	3.24	1.80	0.74

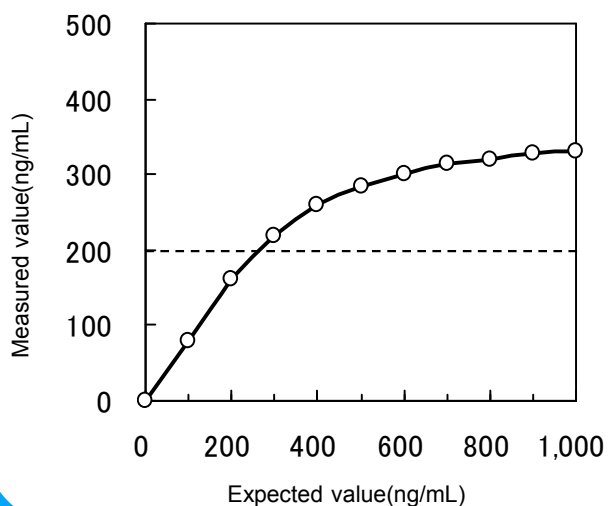
Linearity



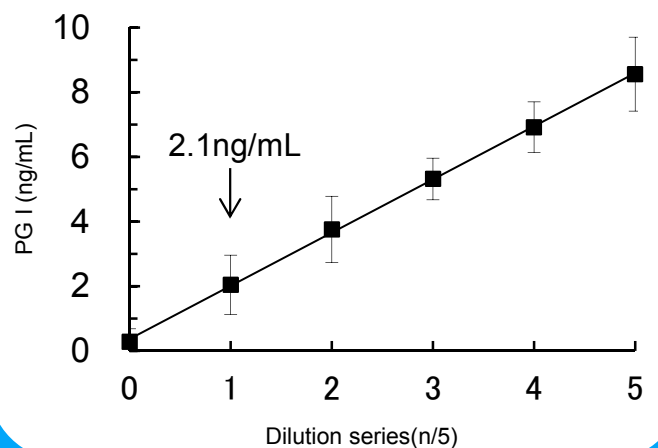
Correlation



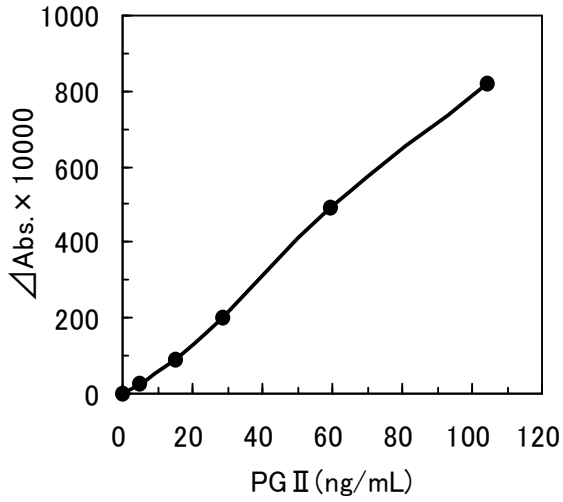
Zone phenomenon



Limit of detection



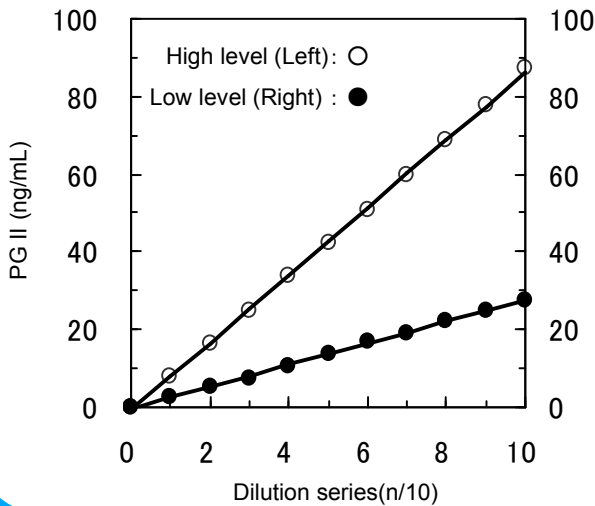
Calibration



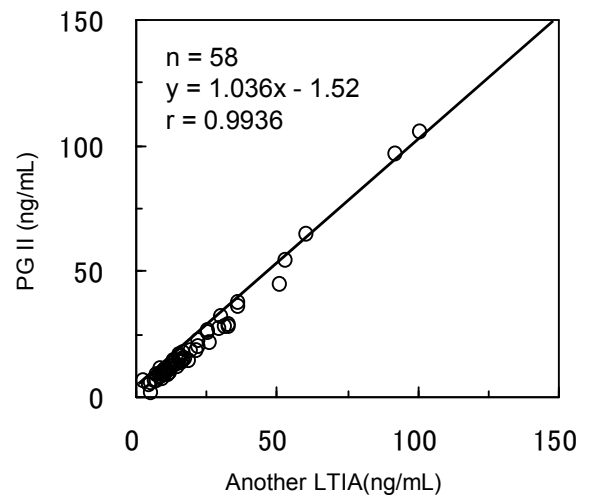
With-run precision

	Sample 1	Sample 2	Sample 3
N	20	20	20
Mean	7.50	15.30	41.40
Max	7.9	15.6	42.1
Min	6.2	15.0	40.1
Range	1.8	0.6	2.0
SD	0.365	0.181	0.451
CV (%)	4.87	1.18	1.09

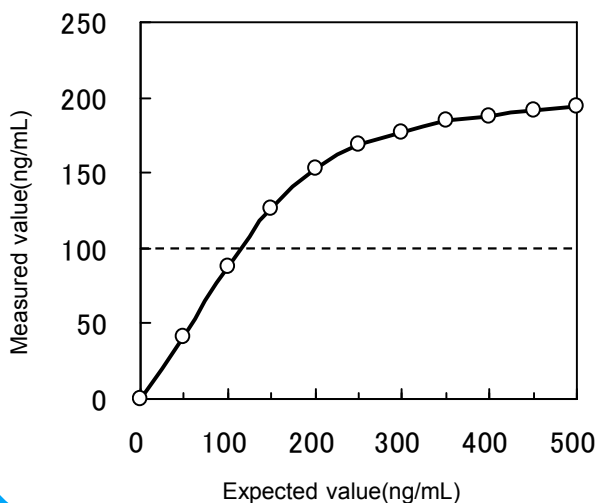
Linearity



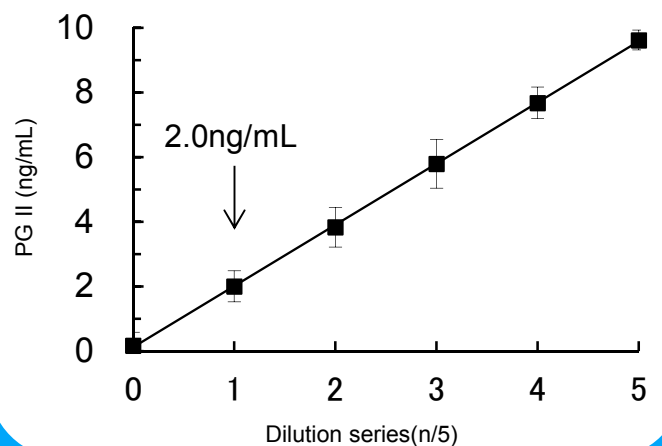
Correlation



Zone phenomenon



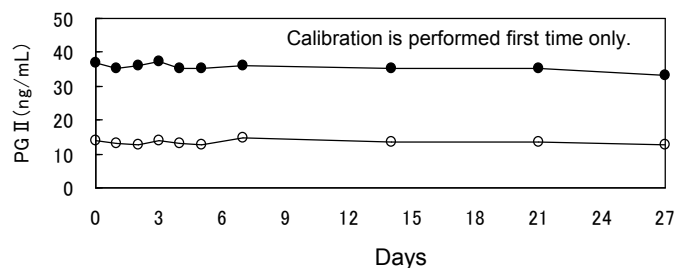
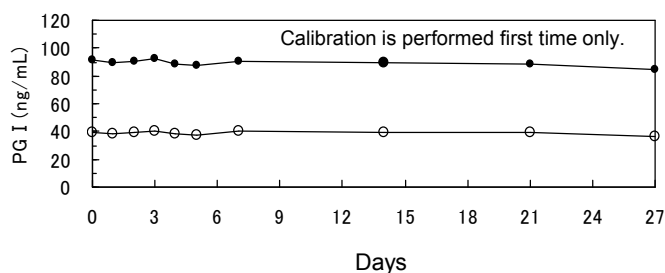
Limit of detection



PG I

Open stability

PG II



Interference test

As a result of considering PG I and II until the following concentration, there was no influence on the measured value.

Hemoglobin	500 mg/dL
Conjugated bilirubin	20 mg/dL
Unconjugated bilirubin	20 mg/dL
Chyle	2000 FTU
Ascorbic acid	50 mg/dL
Rheumatoid factor	500 U/mL

Measurement range

PG I : 2.5 ~ 200 ng/mL

PG II : 2.0 ~ 100 ng/mL

(Our test Examples)

Results

Strongly positive : PG I value 30 ng/mL or less and I / II ratio 2 or less
 Medium-positive : PG I value 50 ng/mL or less and I / II ratio 3 or less
 Positive : PG I value 70 ng/mL or less and I / II ratio 3 or less
 Negative : Other

Product list

Code	Name	Grade	Reagent	Package	Storage	Expiry
78227	Cias Latex PG I	S	Reagent 1	20mL × 2	2 - 8 °C	1 year
			Reagent 2	8mL × 1		
78228	Cias Latex PG II	S	Reagent 1	20mL × 2		
			Reagent 2	8mL × 1		

※ Please use "78229 PG Calibrator(S)" for standard solution, and "78230 Qualitrol PG(S)" for QA sample.

 **KANTO CHEMICAL CO., INC.**

REAGENT DIVISION

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