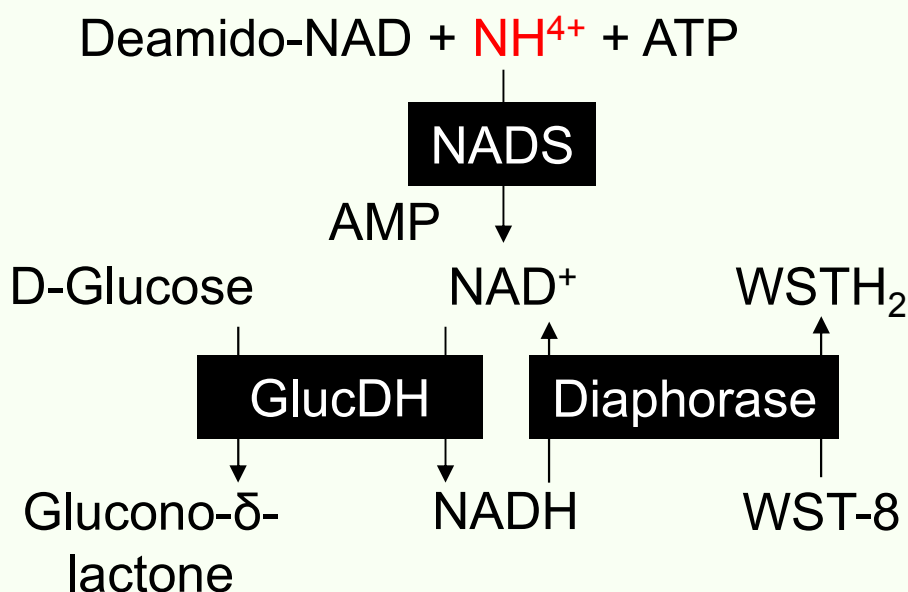


CicaLiquid NH₃



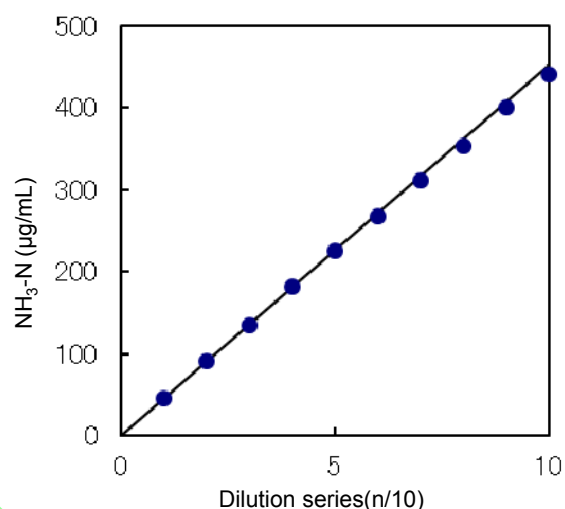
Characteristics

- It can be measured NH₃ of deproteinized samples by automatic analyzer.
- The measurement principle is Enzyme cycling.

Code	Name	Package	Storage	Expiry
77836	Cicaliquid NH ₃ (SPS) Reagent 1	20 mL × 3	2~8°C	8 months
77837	Cicaliquid NH ₃ (SPS) Reagent 2	10 mL × 3	2~8°C	8 months
77850	NH ₃ Calibrator	10 mL × 3 × 2 conc.	2~8°C	1 year
77878	Ammonia control	5 mL × 3 × 2 conc.	2~8°C	1 year

Plasma (without deproteinization processing)

Linearity

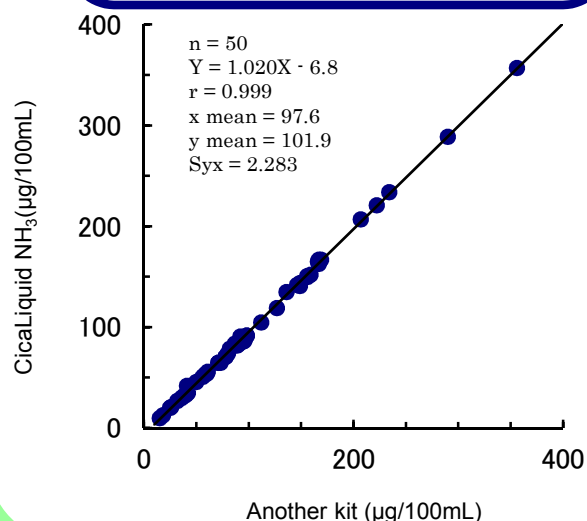


Within-run precision

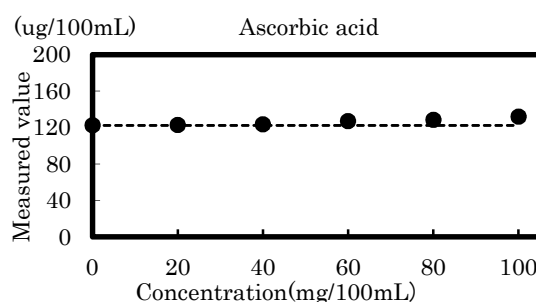
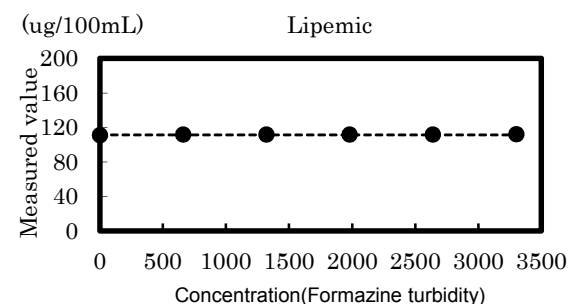
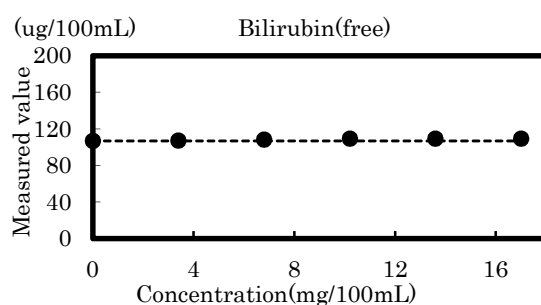
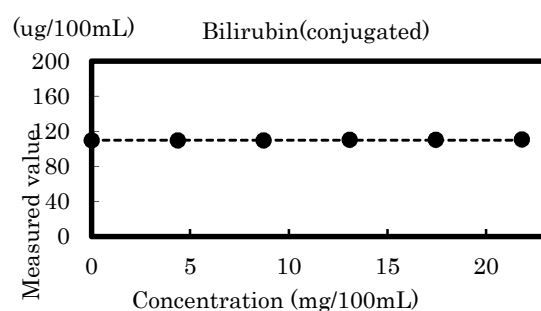
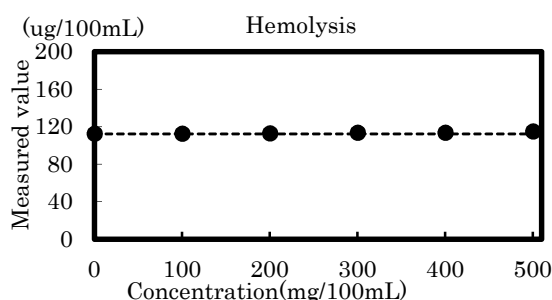
	Sample 1	Sample 2	Sample 3
N	20	20	20
Mean	32.2	40.7	152.8
Max	34	73	155
Min	31	69	150
Range	3	4	5
SD	0.81	0.93	1.58
CV (%)	2.53	1.33	1.03

Unit : µg/100mL

Correlation

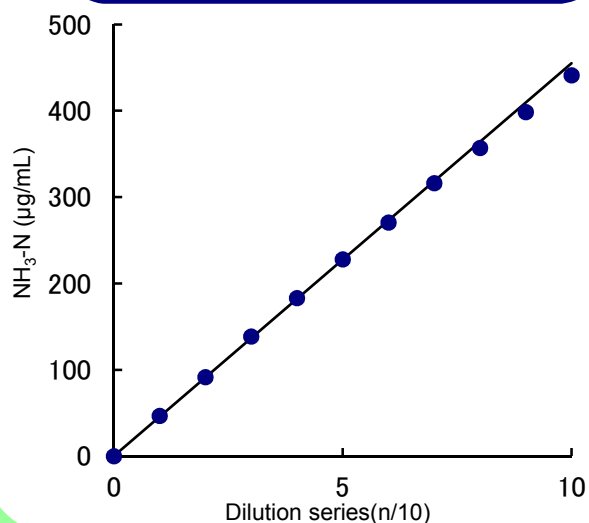


Influence tests

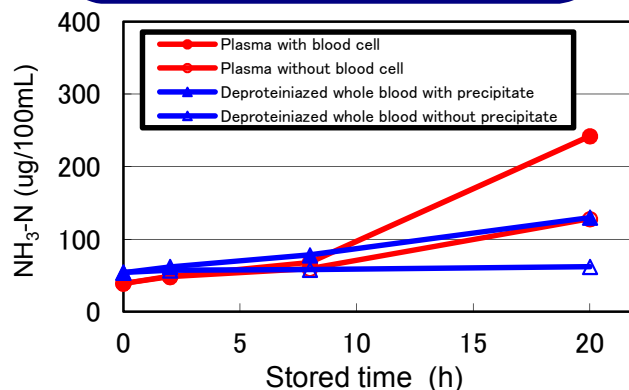


Whole blood (Deproteinization processing)

Linearity



Stability of samples



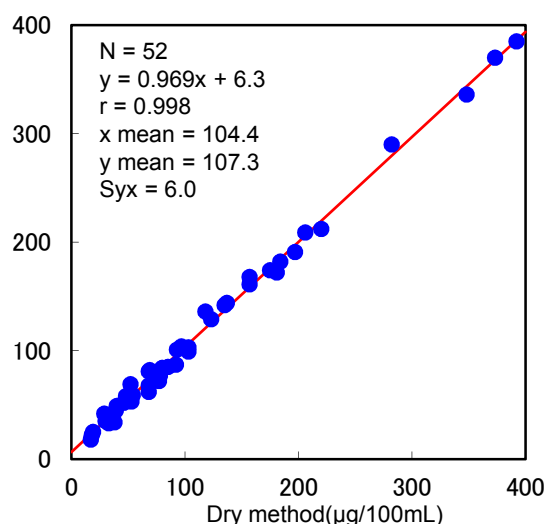
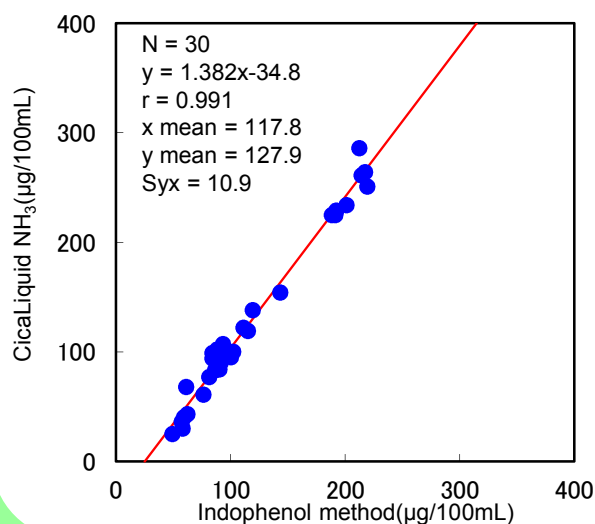
It shows the ammonia value in samples that stored at 4 °C with or without the blood cell or precipitate after centrifuge.

Within-run precision

	Sample 1	Sample 2	Sample 3
N	20	20	20
Mean	20.9	55.4	103.4
Max	23	57	106
Min	19	54	100
Range	4	3	6
SD	0.933	0.933	1.635
CV (%)	4.48	1.69	1.58

Unit : µg/100mL

Correlation



Comparison of sensitivity

Measurement conditions (H-7170S)

(Sample : Plasma)

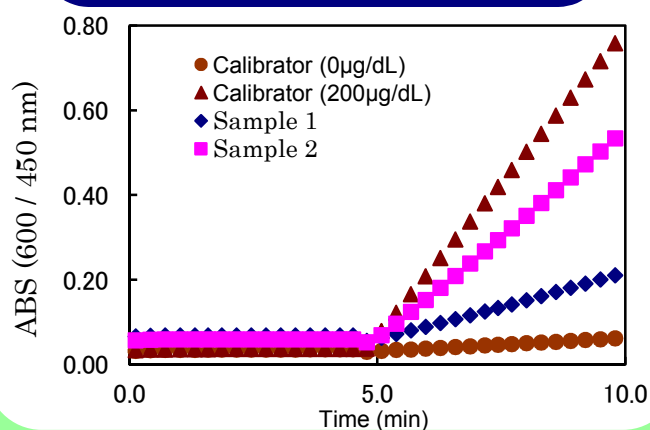
	CicaLiquid NH3	Kit A	Kit B	Kit C
Sample volume (uL)	5	30	24	25
Total volume / Sample volume ratio	41.0	9.3	8.5	8.2

The change of absorbance in measurement time (mAbs)

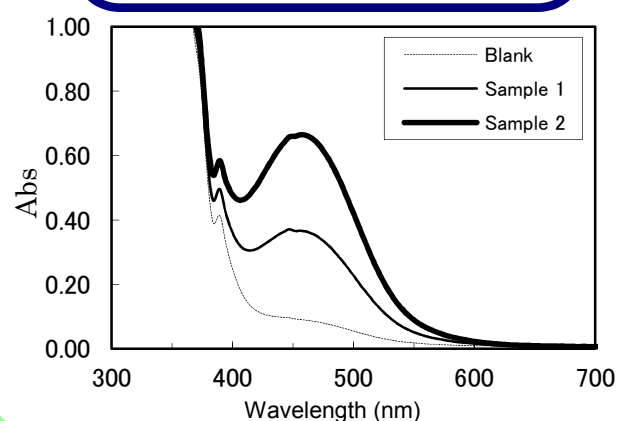
(Sample : 100 μ g / 100mL)

	CicaLiquid NH3	Kit A	Kit B	Kit C
Assay mode	Rate	End		
Measurement time	2 min	5 min		
Sensitivity per sample volume of parameter	152.2	40.5	49.0	51.2
Sensitivity per sample 1 μL	30.44	1.35	2.04	2.05

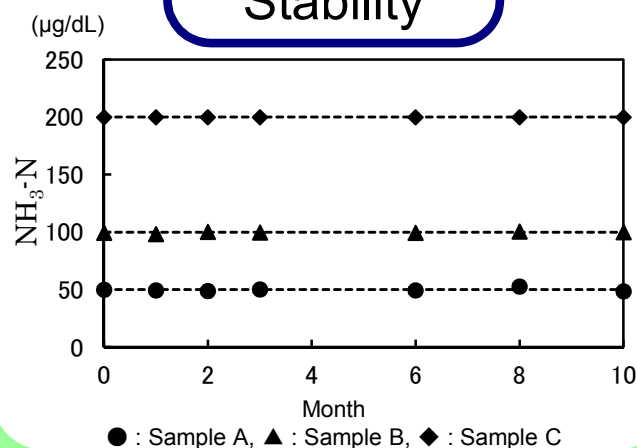
Reaction time course



Absorption curve



Stability



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