Nano Stick

SCINCO

Nano Stick Case

Interior


Nano Stick Manual
Bubble Checker
Nano Stick Manual
Nano Stick-S
Loading Plate
Nano Stick
Loading Plate

Nano Stick

Nano Stick-S

Nano Stick-D

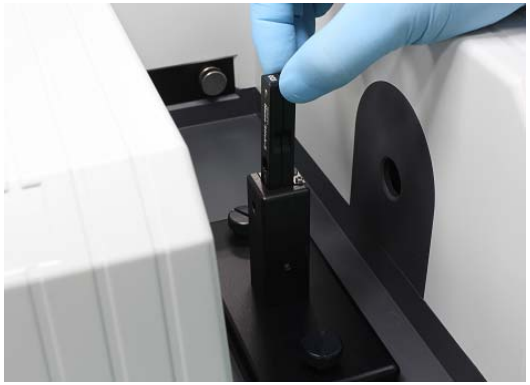
Optical direction image

Measurement Procedures-Nano Stick-S

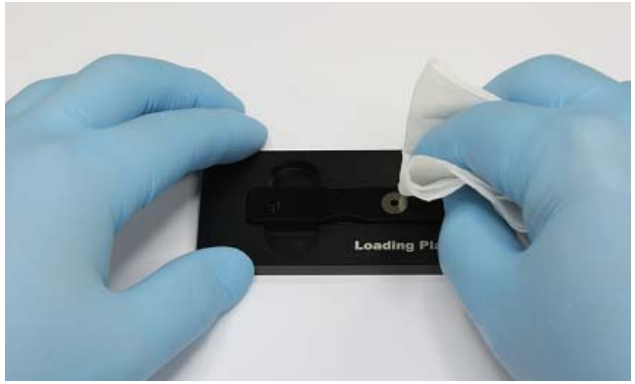
1. Pipette the Blank

2. Close the cover

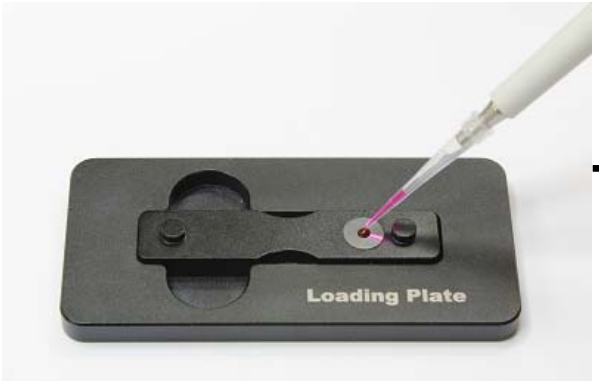
3. Check the bubbles



4. Measure Blank



5. Clean the sampling area for next sampling



6. Pipette the Sample

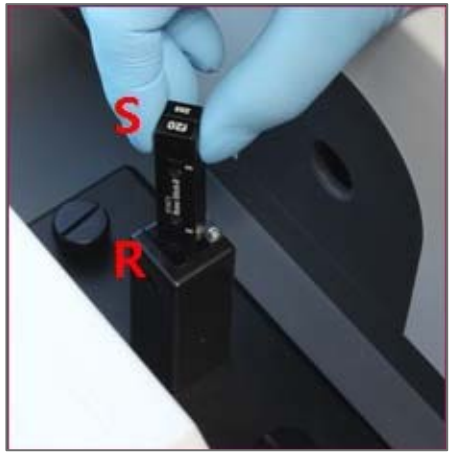
7. Repeat the procedures 2~5.

Measurement Procedures-Nano Stick-D

Pipette the blank and the sample in their respective port

Close the cover

Look for bubbles



Measure the Blank

Turn upside down

Measure the Sample

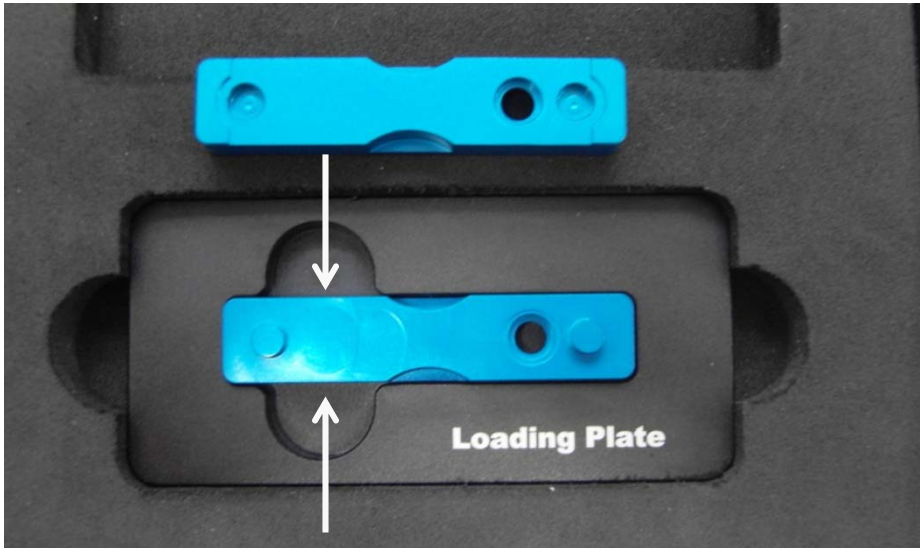
Clean both ports for next sampling

Loading Plate

Easy sample loading

-The lower plate of Nano Stick needs to be inserted into Loading Plate

-Easy clip-on with a grip



Bubble Checker

Bubble Check

-There are two grooves underneath Bubble checker for 8.5mm & 15mm height so it can be fit into each groove for checking the bubble.

The top of Bubble Viewer

The bottom of Bubble Viewer

8.5 mm
Nano Stick

15 mm Nano Stick

Nano Stick

Nano Stick is compatible with any kind of UV-Vis. Spectrophotometer

No need for special cell holder.

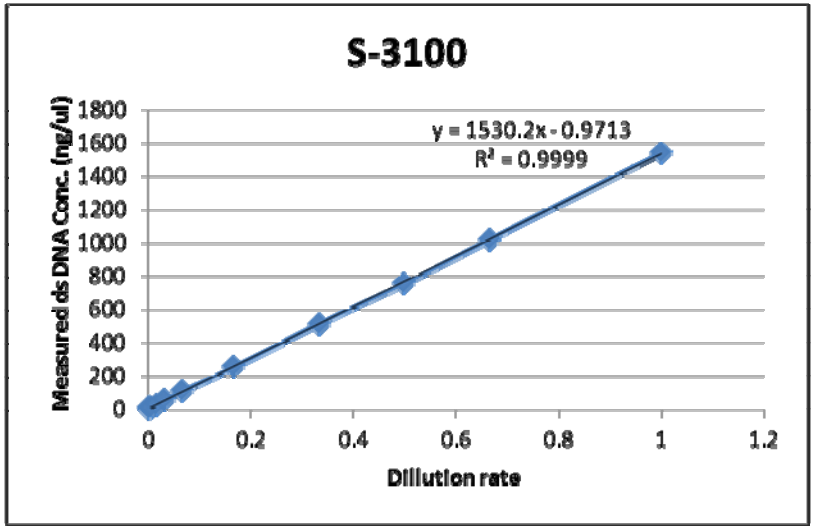
Easy to use

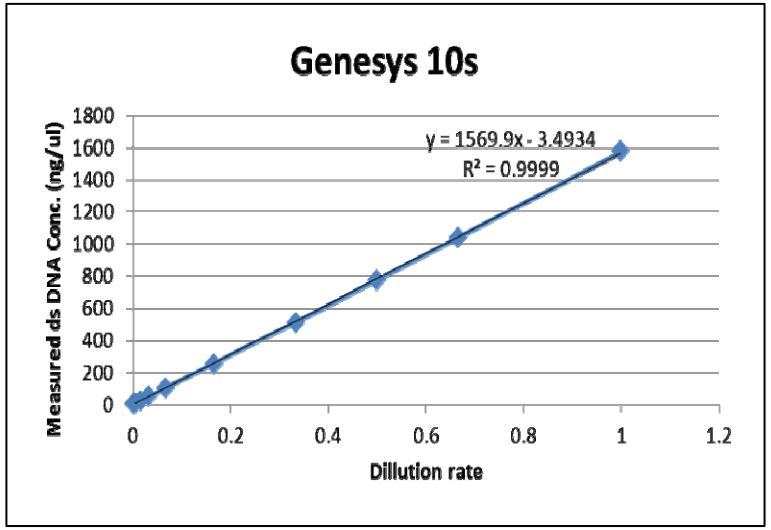
Easy to clean

First creative concept in Worldwide : Nano Stick-D!!

Nano Stick	
Pathlength	0.5 mm
Size	12.5 x 12.5 x 60 mm (WDH)
Z dimension (Beam height)	15 mm or 8.5 mm
Min. sample volume	2 ul
Color Options	Black, Red, Blue, Silver, Gold

Linearity of Nano Stick (ds DNA)





	S-3100	8453	NEOSYS-2000	Cary 300	Nanophotometer	Evolution 600	Genesys 10S	Nanodrop
NanoStick-S	0.9999	0.9999	0.9999	0.9999	0.9999	0.9998	0.9999	0.9999

Sample volume: Nano Stick: 2.5 ul, Nanodrop: 1 ul

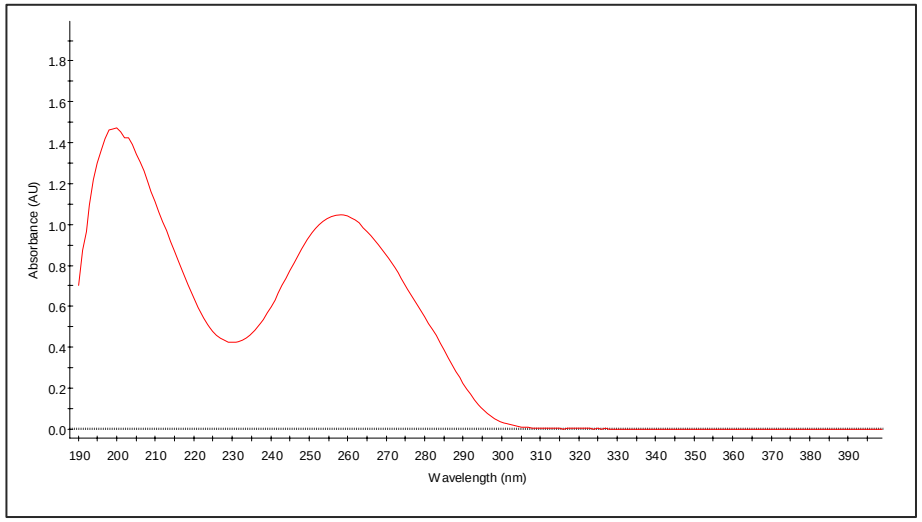
Pathlength: Nano Stick: 0.5 mm

Baseline Correction: 340 nm

Sample: 1500ng/ul of ds DNA was serially diluted - consecutive 5 times measurements & Avg. value was used for the calibration curve.

Concentration Range : 2.5 ~1500 ng/ul

Reproducibility Test Results of ds DNA



- DNA Concentration (ng/ul)

  ds DNA Conc. (ng/ul)= A(260) x Cell factor x 50

- Cell factor

  Nano Stick = 20, Biodrop = 80

	S-3100	8453	NEOSYS-2000	Cary 300	Nanophotometer	Evolution 600	Genesys 10S	Nanodrop
1000 ng/ul	±2.5 ng/ul	±3.0 ng/ul	±2.5 ng/ul	±5.1 ng/ul	±2.6 ng/ul	±2.0 ng/ul	±1.1ng/ul	±5.4 ng/ul
100 ng/ul	±1.1 ng/ul	±1.4 ng/ul	±1.0 ng/ul	±1.4 ng/ul	±0.8 ng/ul	±1.3 ng/ul	±0.9ng/ul	±0.4 ng/ul

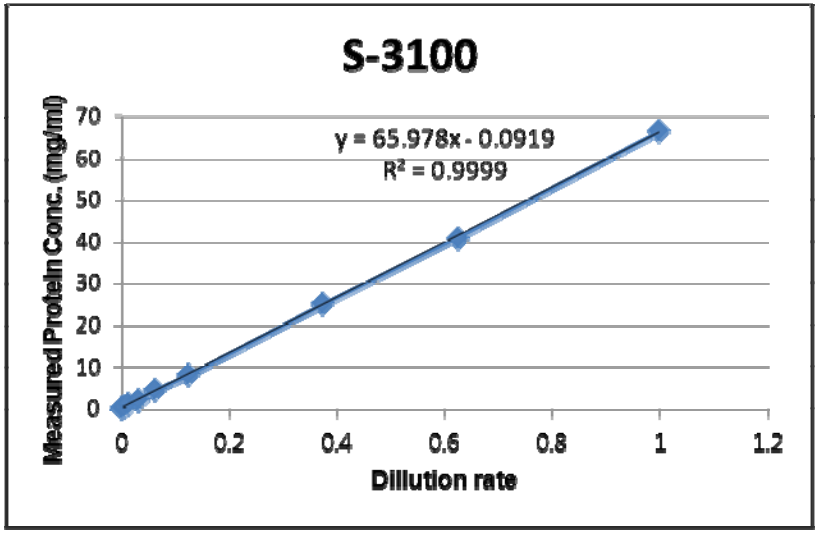
Sample volume: Nano Stick: 2.5 ul, Nanodrop: 1 ul

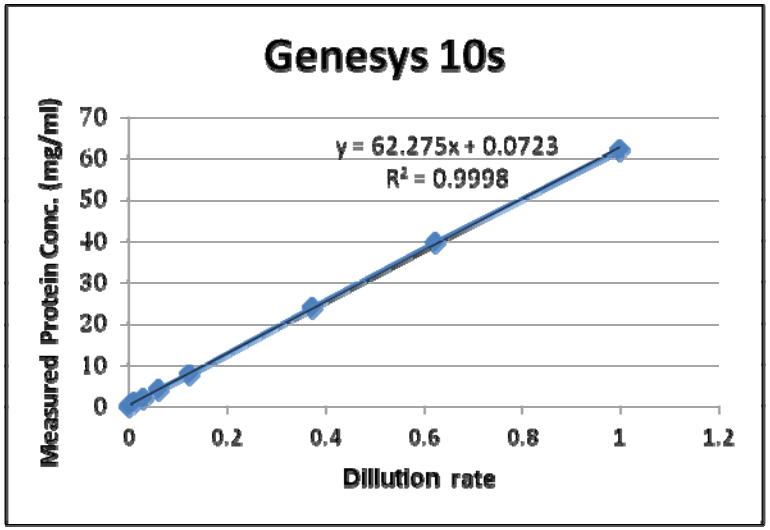
Pathlength: Nano Stick: 0.5 mm

Baseline Correction: 340 nm

Data : SD of 10 times Measurement

Linearity of Nano Stick (Protein)





	S-3100	8453	NEOSYS-2000	Cary 300	Nanophotometer	Evolution 600	Genesys 10S	Nanodrop
NanoStick-S	0.9999	0.9999	0.9971	0.9996	0.9997	0.9998	0.9998	0.9990

Sample volume: Nano Stick: 2.5 ul, Nanodrop: 1 ul

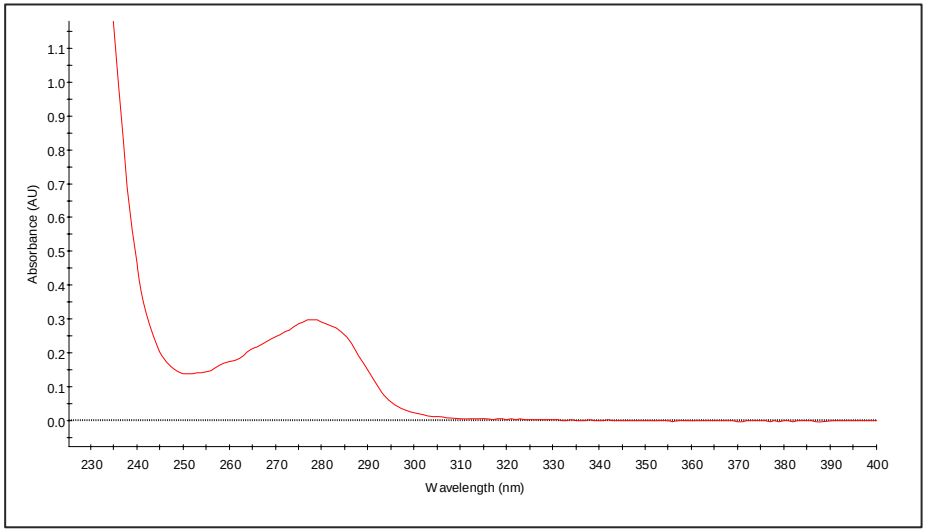
Pathlength: Nano Stick: 0.5 mm

Baseline Correction: 340 nm

Sample: 80mg/ml of protein was serially diluted - consecutive 5 times measurements & Avg. value was used for the calibration curve.

Concentration Range : 0.1 ~80 mg/ml

Reproducibility Test Results of Protein (BSA)



- Protein Concentration (mg/ml)

  Protein Conc. (mg/ml)= A(280) x Cell factor x 1.492

- Cell factor

  Nano Stick = 20

	S-3100	8453	NEOSYS-2000	Cary 300	Nanophotometer	Evolution 600	Genesys 10S	Nanodrop
10 mg/ml	±0.1mg/ml	±0.1 mg/ml	±0.03 mg/ml	±0.3 mg/ml	±0.03 mg/ml	±0.1 mg/ml	±0.03mg/ml	±0.05 mg/ml
1 mg/ml	±0.03 mg/ml	±0.02 mg/ml	±0.03 mg/ml	±0.07mg/ml	±0.01mg/ml	±0.03 mg/ml	±0.02mg/ml	±0.01 mg/ml

Sample volume: Nano Stick: 2.5 ul, Nanodrop: 1 ul

Pathlength: Nano Stick: 0.5 mm

Data: 5 times Measurement

Used : Direct UV method (A280).