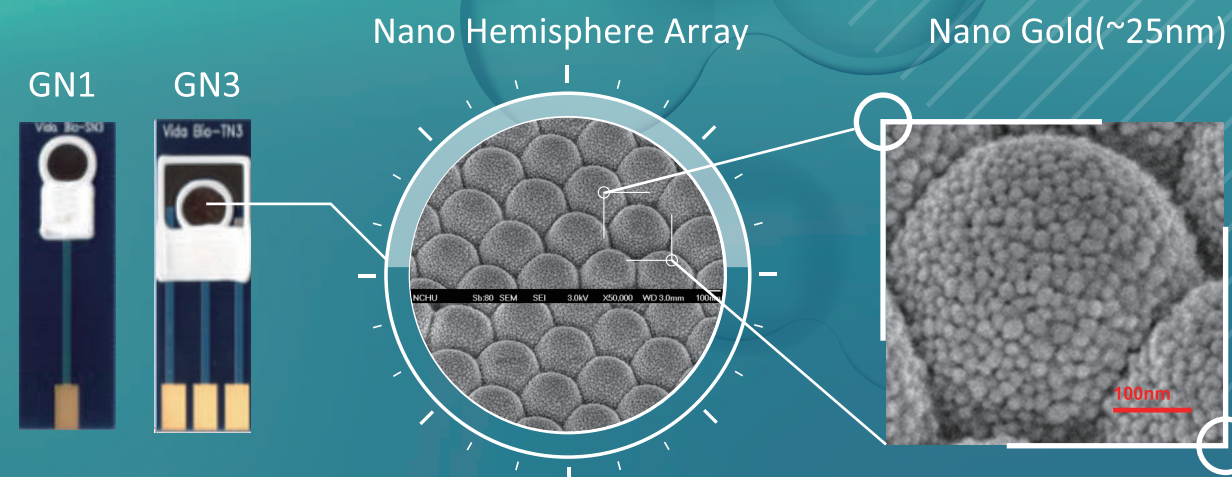
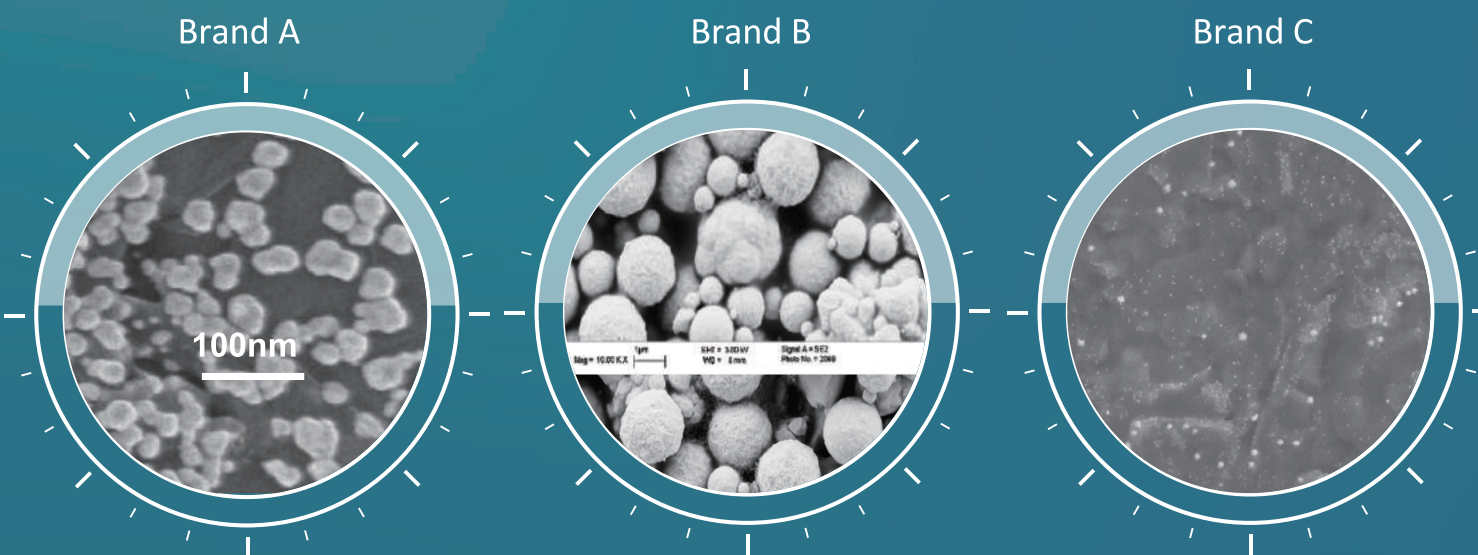


● VIDA-BIO Gold Nanoparticles Electrodes



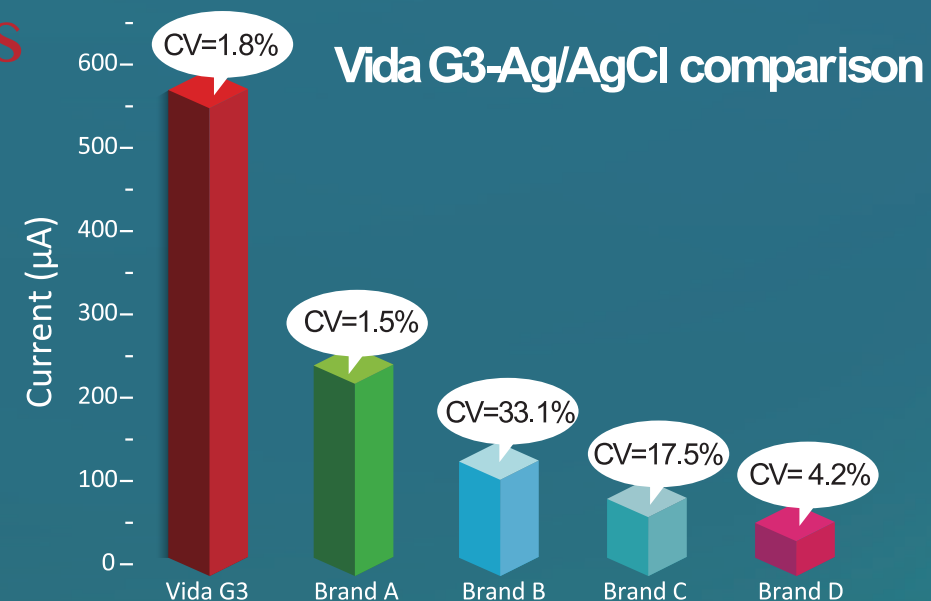
● Chips Nano Gold Nanoparticles Comparison



Chen, Wei-Chung, et al. "A nonenzymatic approach for selective and sensitive determination of glycerol in biodiesel based on a PtRu-modified screen-printed edge band ultramicroelectrode." *Electrochimica Acta* 153 (2015): 295-299.
 Douin, Vladimir, et al. "Disposable electrochemical printed gold chips for the analysis of acetylcholinesterase inhibition." *Analytica chimica acta* 669.1 (2010): 63-67.
 Wu, Haiyun, et al. "Rapid quantitative detection of brucella melitensis by a label-free impedance immunosensor based on a gold nanoparticle-modified screen-printed carbon electrode." *Sensors* 13.7 (2013): 8551-8563.

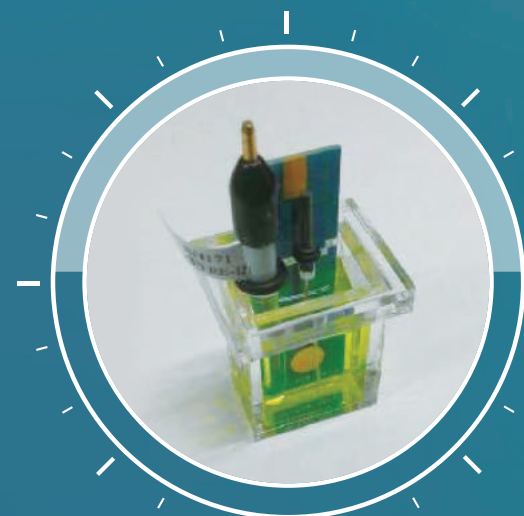
● Chips Signals Comparison

- Vida G3-Ag/AgCl
- Brand A
- Brand B
- Brand C



Accessories

Electrochemical Cell



- For G1 & GN1
- Fix electrodes span
- Buffer using(3ml)

USB cable connectors



- For G3 & GN3
- Flexible cable(1m)
- Three wires for instrument
- Plug chip to use



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- Vida Bio Chips
- Instruction guide
- Accessories

Nucleic Acid detecting:

- Modified probe capture Target DNA
- Maximum probe on nanostructure
- Reduce PCR times

Currently Major Development Projects

Hepatitis B virus

Future Development

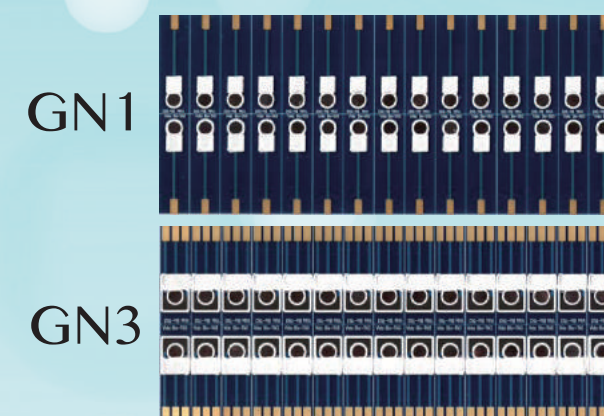
Influenza A
Human papilloma virus
Adenovirus



Vida Bio Chips

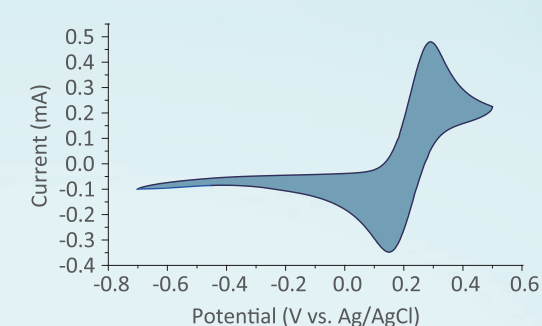


- No pretreatment
- No polishing before using
- Nanostructure Electrode
- Lab on a chip
- Unique packaging technique



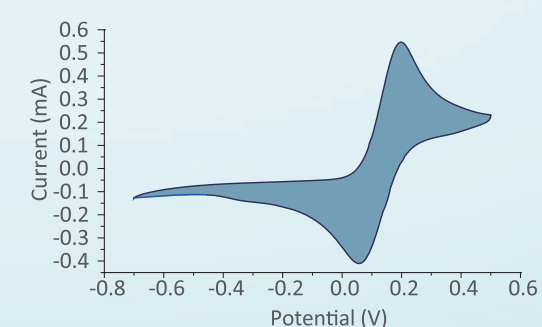
- Wide scan range
- High quality
- Mass Production
- Disposable
- Various electrochemical application

G1



Electrode type: Single electrode
Substrate: L40mm × W12.5mm × D1mm
Working electrode: ϕ 5.5mm
Working electrode material: Gold film(5 μ m)

G3

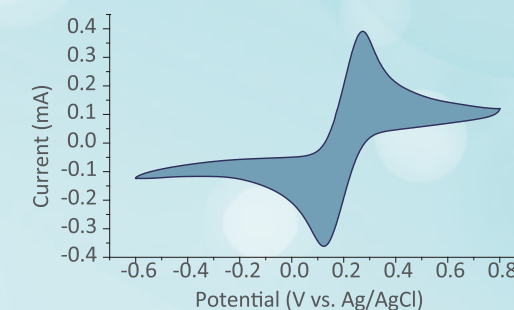


Electrode type: Three electrodes
Substrate: L40mm × W12.5mm × D1mm
Working electrode: ϕ 6mm
Counter electrode: L13.5mm × W4mm (Graphite)
Reference electrode: L1.2mm × W1.4mm (Ag/AgCl)



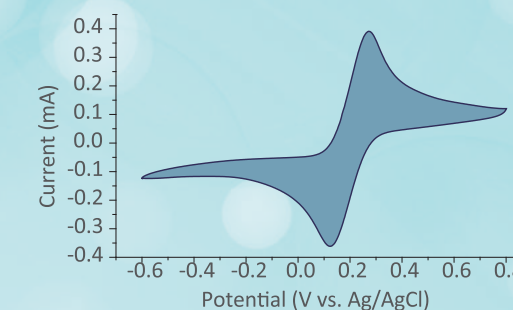
GN1

Electrode type: Single electrode
Substrate: L40mm × W12.5mm × D1mm
Working electrode: ϕ 5.2mm
Working electrode material: Gold nanostructure (30nm)



GN3

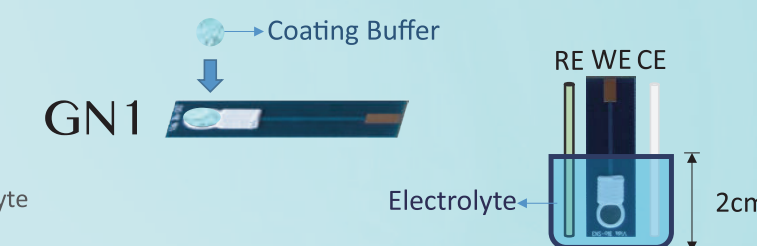
Electrode type :Three electrodes
Substrate:L40mm × W12.5mm × D1mm
Working electrode: ϕ 5.2mm
Working electrode material: Gold nanostructure (30nm)
Counter electrode: L13.5mm X W4mm (Graphite)
Reference electrode: L1.2mm X W1.4mm (Ag/AgCl)



G1/G3 & GN1/GN3 INSTRUCTION GUIDE

G1/GN1

- 1.Washing working electrode with 2ml DI water
- 2.Dry electrode with N₂
- 3.Drop 40 μ l coating buffer on working electrode.
- 4.After incubating time, dry the coating buffer with N₂
- 5.Plug the working electrode into sample buffer or electrolyte (2cm working electrode below electrolyte)
- 6.Connect with working electrode
7. Wait 10sec before measuring.



- Note : 1. Use immediately once open to atmosphere. Keep away from moisture.
2.G1/GN1 chip is a disposable chip(only for once measure)

G3/GN3

- 1.Washing working electrode with 2ml DI water
- 2.Dry electrode with N₂
- 3.Biochip connect setting
- Right-Reference electrode
- Middle-Working electrode
- Left-Counter electrode
- 4.Drop 40 μ l coating buffer on working electrode.
- 5.After incubating time, dry the coating buffer with N₂
- 6.Drop 200 μ l sample buffer or electrolyte cover all electrodes.
- 7.Wait 10sec before measuring.



- Note : 1. Use immediately once open to atmosphere. Keep away from moisture.
2.G3/GN3 chip is a disposable chip(only for once measure)

Protein detecting:

- SAMs on Bio chip & Antibody/Antigen binding
- Maximum Antibody on nanostructure
- Extremely low limit of detection

Currently Major Development Projects

Alzheimer's disease

Future Development

Dengue Virus / FK506 / Mite

Chemicals detecting:

- Observe enzyme-substrate interaction
- Nanostructure amplify current signals
- Lower concentration pollutants sensor

Currently Major Development Projects

Organic acid / Uric acid / Metals

Future Development

Herbicide / Insecticide