



Porrima fully automatic CLIA analyzer

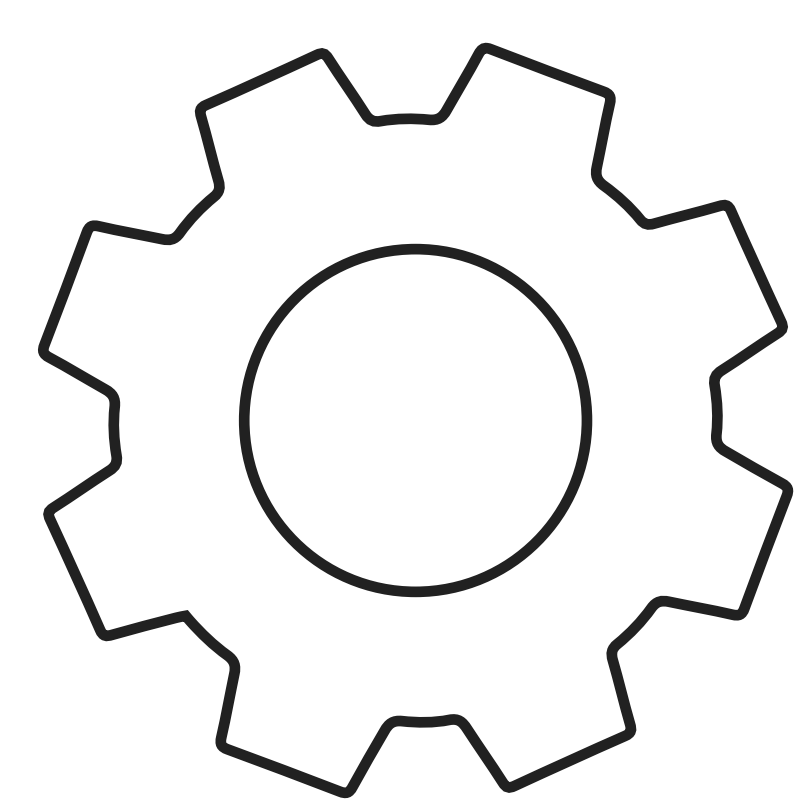
Provide reliable and robust solutions to small volume laboratories



diasino

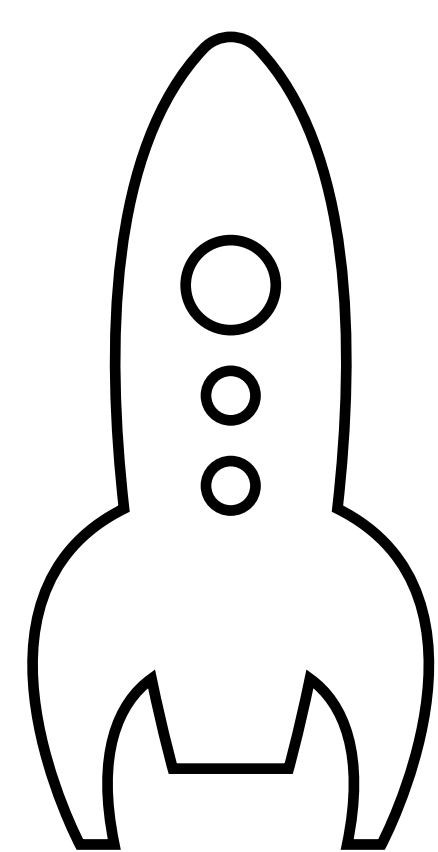
Porrima™
DiaSino Chemiluminescence immunoassay platform

Porrima Specifications



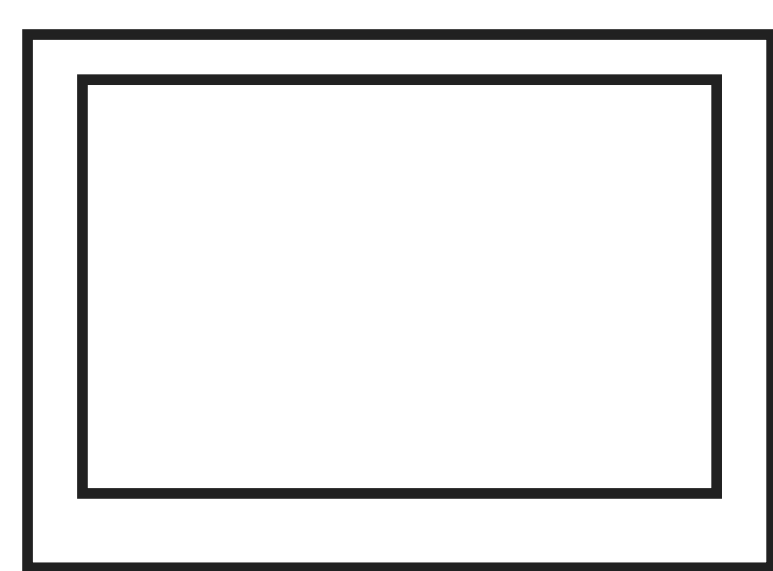
Direct CLIA

Acridinium ester (AE) based chemiluminescence immunoassay (CLIA)



Excellent Performance

Up to 120 tests per hour, first result within 15 minutes, batch CV ≤ 3%



Compact & Easy to Use

Footprint ≈ 0.3m³, batch/random/STAT mode integrated control panel, all consumables loading in real time



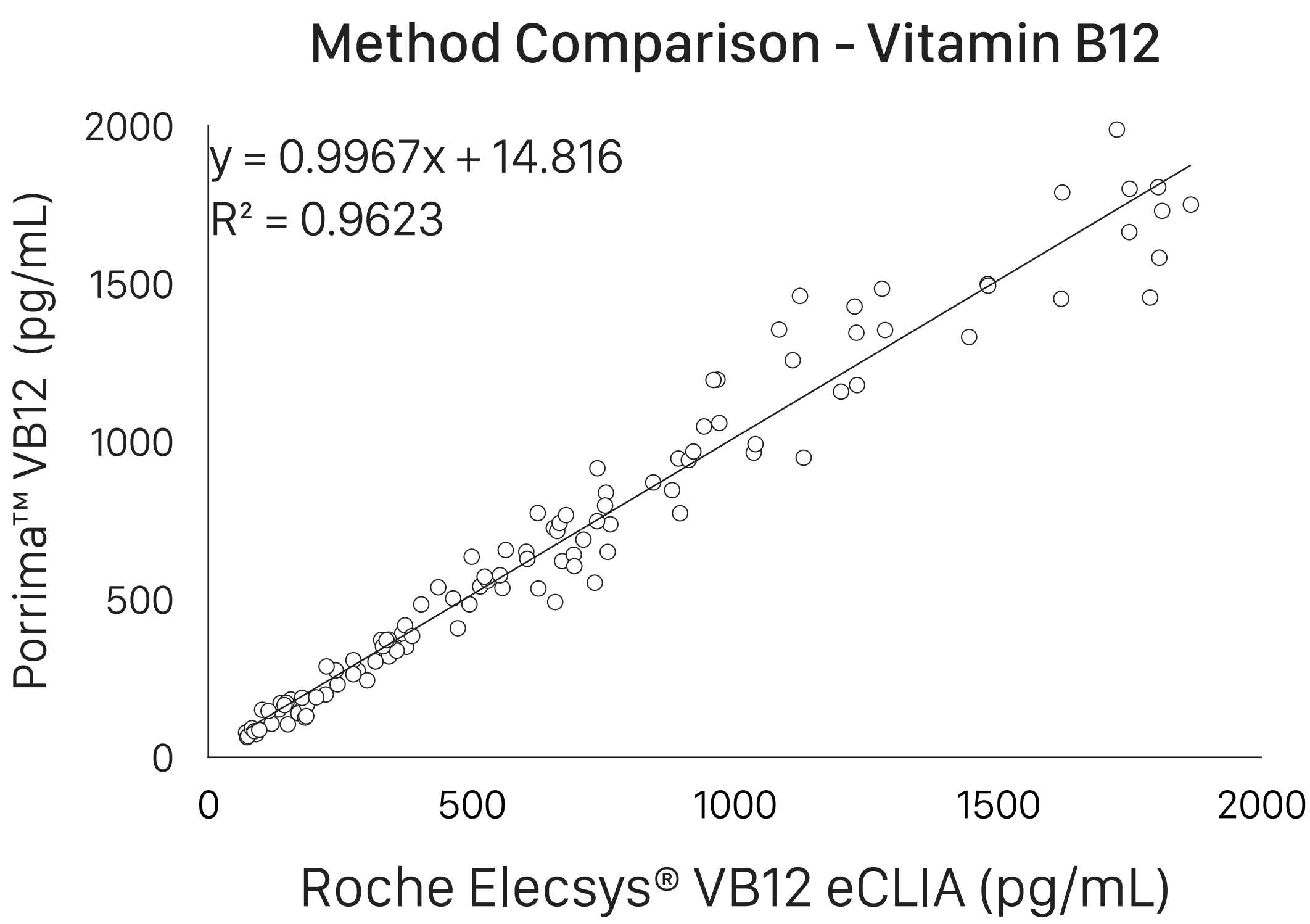
Innovative Design

Incubation, washing and detection all-in-one automatic intelligent control technology, low instrument failure rate

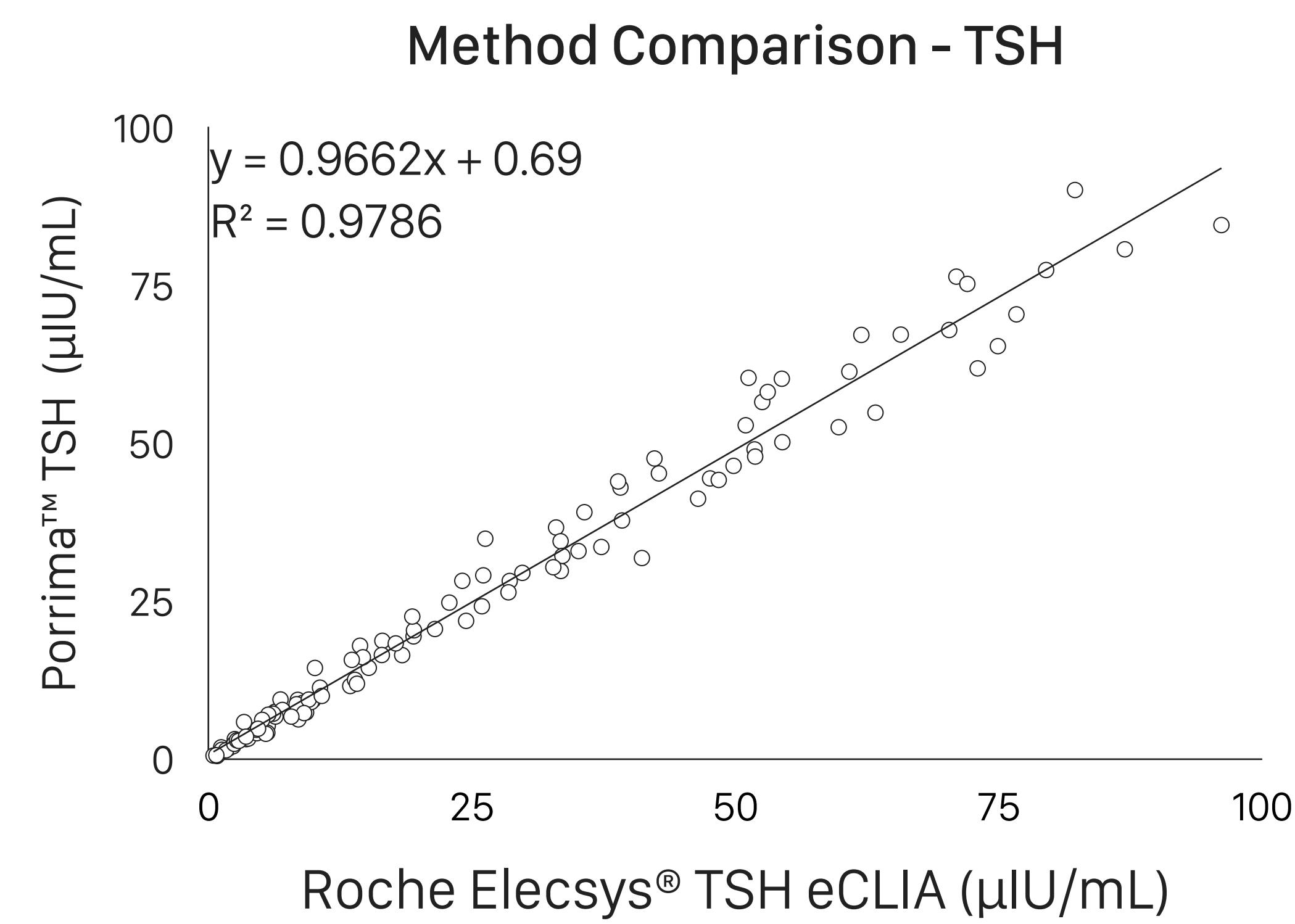
Small yet powerful

Overview		
Principle	:	Direct CLIA (AE principle)
Throughput	:	120 T/H
Time to first result	:	≤ 15 min
Accessories and consumables		
Assay cup loading	:	200 cups, continuous loading and offloading
Wash buffer	:	1 L/bottle
Solid waste	:	200 assay cups per container
Liquid waste	:	1 barrel, for collecting waste liquid of the whole machine
Physical information		
Construction	:	Desktop
Weight	:	~ 38 Kg
Dimension	:	433(L) x 679(W) x 638(H) mm
Sample assembly		
Sample feeder	:	By sample racks
Sample capacity	:	30 positions
Sample type	:	Serum/Plasma/Urine
Sample probe	:	Single steel probe for both sample and reagent
Probe detection	:	Clot, bubble and liquid level detection
Sample volume	:	10~150 μL
Sample dilution	:	Automatic dilution function
Reading	:	Support multiple barcode reading
Reagents assembly		
Reagent feeder	:	By reagent disks
Reagent capacity	:	10 positions
Cooling system	:	2~8°C
Anti-evaporation control	:	Self-sealing
Reagent mixing	:	Non-touch rotary mixing for magnetic particles
Reagent volume	:	10~200 μL
Reagent type	:	Ready to use
Calibration model	:	Two-point calibration
Operation environment		
Operating temperature	:	10-30°C
Humidity	:	≤ 85% (noncondensing)
Altitude	:	≤ 3000 m
Reaction system		
Reaction volume/test	:	≤ 400 μL
Reaction disk	:	52 positions
Reaction temperature	:	37±0.3°C
Reaction mixing	:	Non-touch vortex mixing
Power information		
Power requirements	:	100~240 V, 50/60 Hz
Power input	:	1000 VA

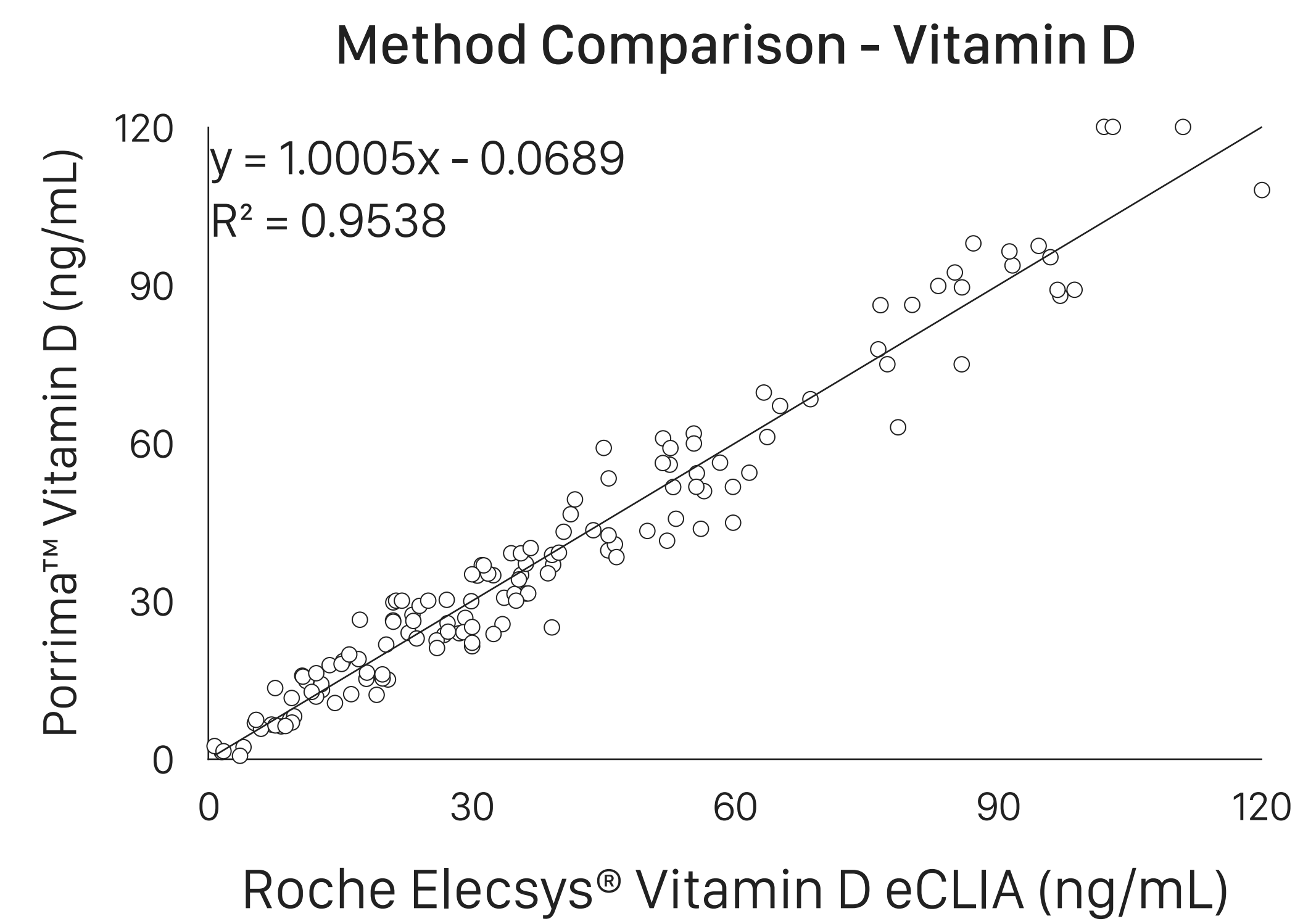
Porrima Family Collection



A comparison of the Porrima™ VB12 assay (y) with the Elecsys VB12 eCLIA assay (x) using 105 clinical samples gave the correlations: $R^2 = 0.9623$



A comparison of the Porrima™ TSH assay (y) with the Elecsys TSH eCLIA assay (x) using 105 clinical samples gave the correlations: $R^2 = 0.9786$



A comparison of the Porrima™ Vitamin D assay (y) with the Elecsys Vitamin D eCLIA assay (x) using 110 clinical samples gave the correlations: $R^2 = 0.9538$



Thyroid

- TSH
- T3
- T4
- FT3
- FT4
- Tg
- Anti-Tg
- Anti-TPO
- Anti-TSHR



Fertility

- AMH
- LH
- FSH
- Prolactin
- Progesterone
- Testosterone
- E2
- hCG/βhCG
- DHEA-S*
- SHBG*
- 17-OH PROG*
- Androstenedione*
- Inhibin B



Anemia

- Ferritin
- Vitamin B12
- Folate



Bone

- 25-OH Vitamin D
- PTH



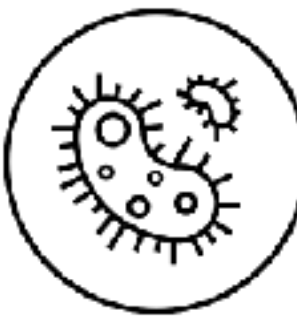
Tumor

- CEA
- AFP
- CA125
- CA15-3
- CA19-9
- PSA total
- PSA free
- NSE
- Cyfra 21-1
- CA72-4
- PG I
- PG II
- Gastrin-17
- SCC
- HE4
- ProGRP
- CA50
- CA242



TORCH

- Toxo IgG
- Toxo IgM
- Rubella IgG
- Rubella IgM
- CMV IgG
- CMV IgM
- HSV-1 IgG
- HSV-1 IgM
- HSV-2 IgG
- HSV-2 IgM



Inflammation

- PCT
- CRP
- IL-6
- SAA



Cardiac

- Troponin I
- Myo
- CK-MB
- Troponin T
- NT-proBNP
- H-FABP



Infection

- HBsAg
- HBsAb
- HBeAg
- HBeAb
- HBcAb
- Anti-HCV
- HIV Ab/Ag
- Syphilis TP
- Anti-HEV IgM
- Anti-HEV IgG



Diabetes

- C-Peptide
- Insulin



Preeclampsia

- sFlt-1*
- PlGF



Others

- Total IgE

* In development
Product list updated in June 2023

PorrimaTM

Small yet powerful



Certified by ISO 13485:2016

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