



Porrima E200 CLIA system

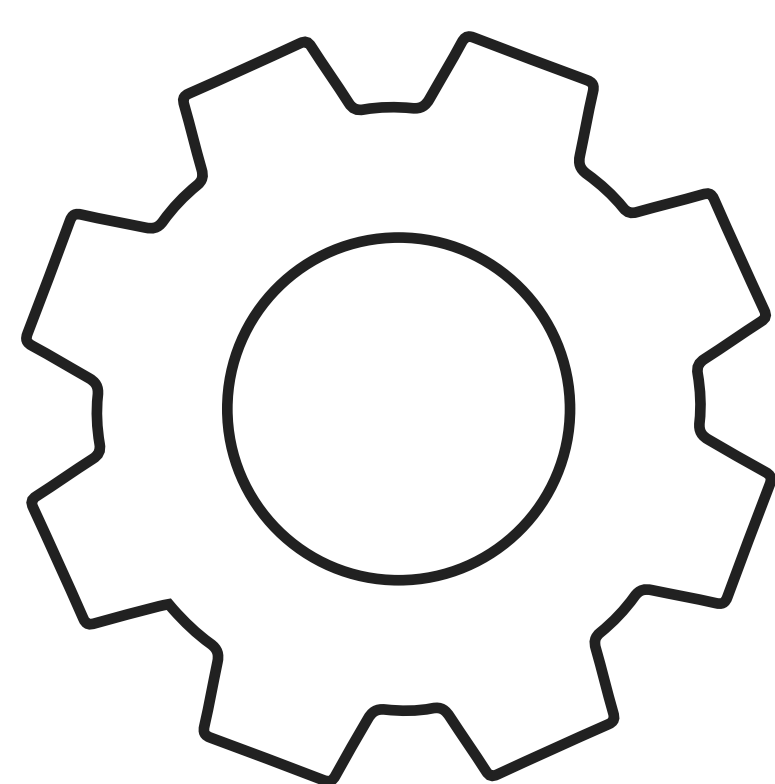
The right choice for mid-volume laboratories



diasino

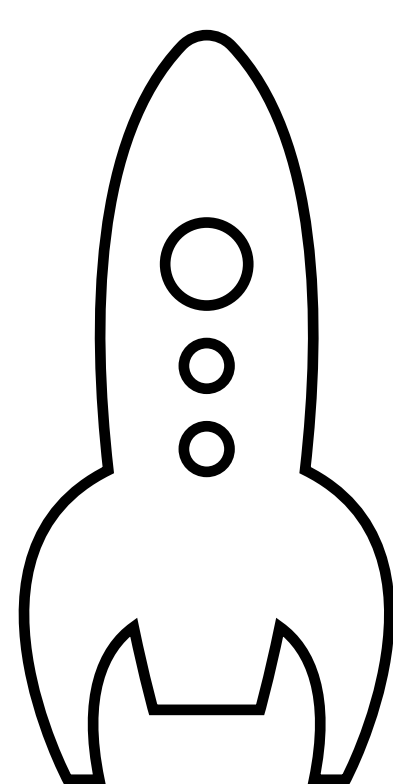
Porrima™

Porrima E200 Specifications



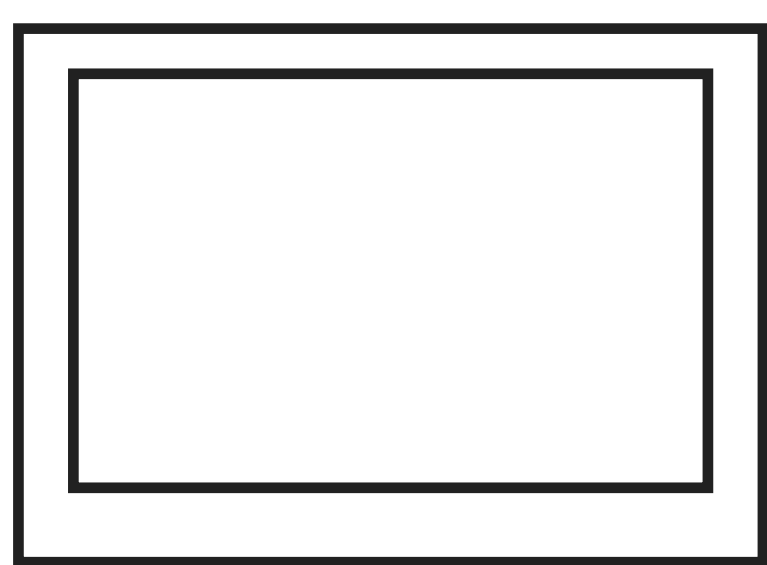
Direct CLIA

Acridinium ester (AE) based chemiluminescence immunoassay (CLIA)



Excellent Performance

Up to 200 tests per hour, first result in $\geq$ minutes
batch CV $\leq$ 3%



Compact & Easy to Use

Footprint $\approx$ 0.67m³, batch/random/STAT mode
integrated control panel, all consumables loading
in real time



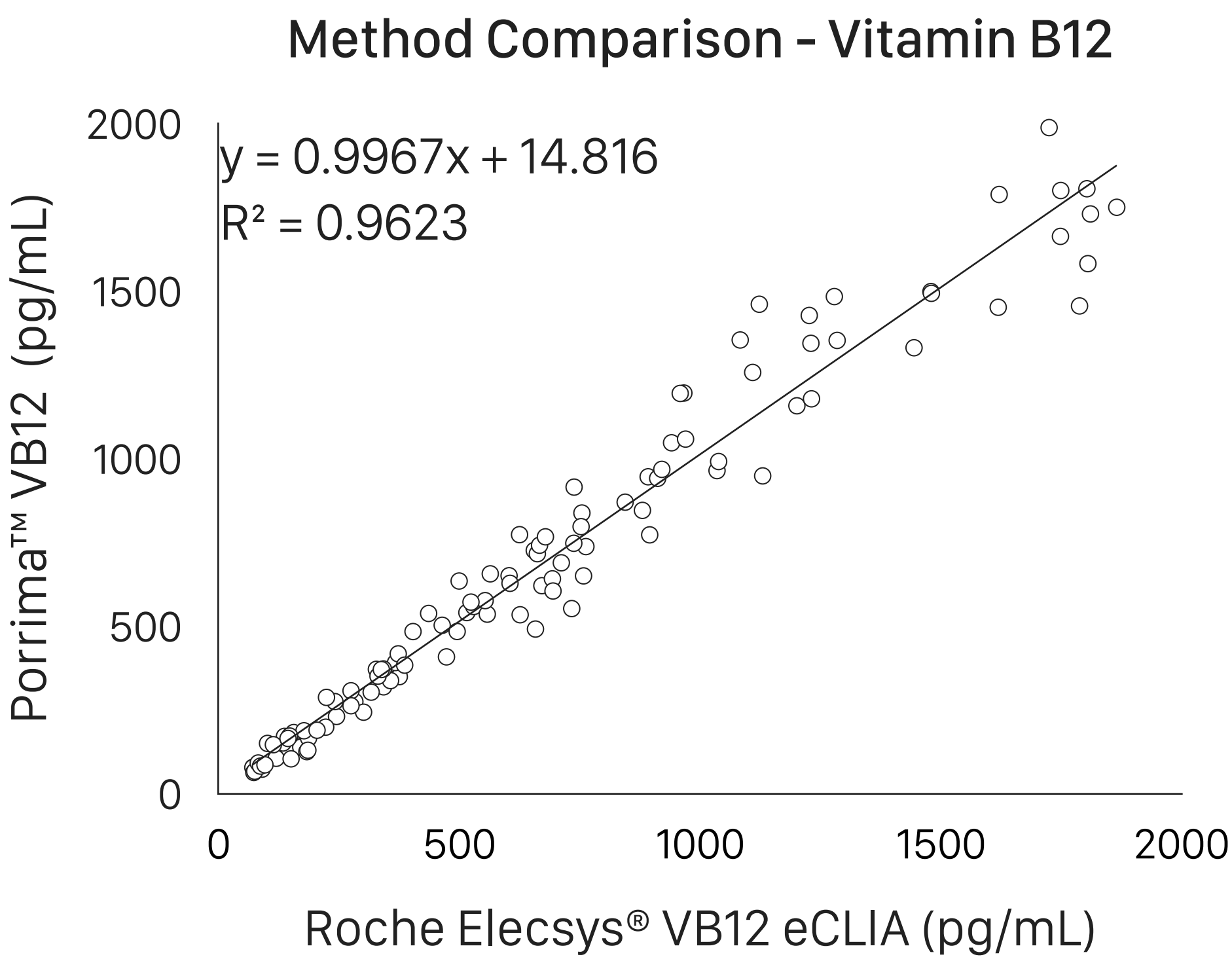
Innovative Design

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

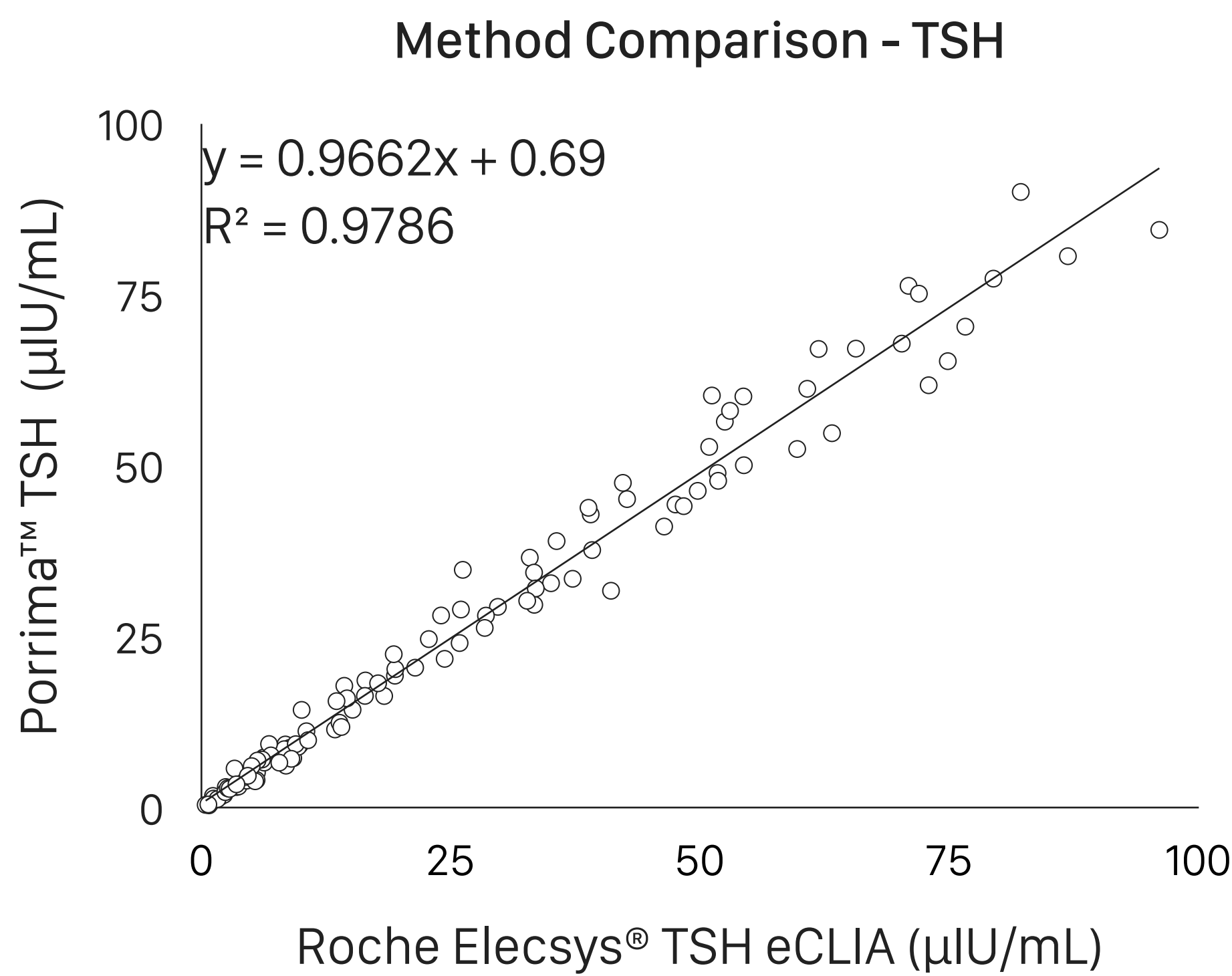
Small yet powerful

Overview		
Principle	:	Direct CLIA (AE principle)
Throughput	:	200 T/H
Time to first result	:	$\geq$ 12 min
Walk away capacity	:	3 hours
Accessories and consumables		
Assay cup loading	:	500 cups, continuous loading and offloading
Wash buffer concentrade	:	1 L/bottle (20x)
Solid waste	:	500 assay cups per container
Liquid waste	:	1 barrel, for collecting waste liquid of the whole machine
Substrate loading	:	2 bottles to load continuously during test
Physical information		
Construction	:	Desktop
Weight	:	$\leq$ 129 Kg
Dimension	:	1000(W) x 670(D) x 640(H) mm
Sample assembly		
Sample feeder	:	By sample racks
Sample capacity	:	60 positions
Sample type	:	Whole blood/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 μ L
Sample dilution	:	Automatic dilution function
Reading	:	Multiple barcode reading
Reagents assembly		
Reagent feeder	:	By reagent disks
Reagent capacity	:	25 positions
Cooling system	:	2~8 $^{\circ}$ C
Anti-evaporation control	:	Self-sealing
Reagent mixing	:	Non-touch rotary mixing for magnetic particles
Reagent volume	:	10~200 μ L
Reagent type	:	Ready to use
Calibration model	:	Two-point calibration
Operation environment		
Operating temperature	:	10-30 $^{\circ}$ C
Humidity	:	$\leq$ 85% (noncondensing)
Altitude	:	$\leq$ 4000 m
Reaction system		
Reaction volume/test	:	$\leq$ 400 μ L
Reaction disk	:	90 positions
Reaction temperature	:	37 $\pm$ 0.3 $^{\circ}$ C
Reaction mixing	:	Non-touch vortex mixing
Power information		
Power requirements	:	100~240 V, 50/60 Hz
Power input	:	1000 VA

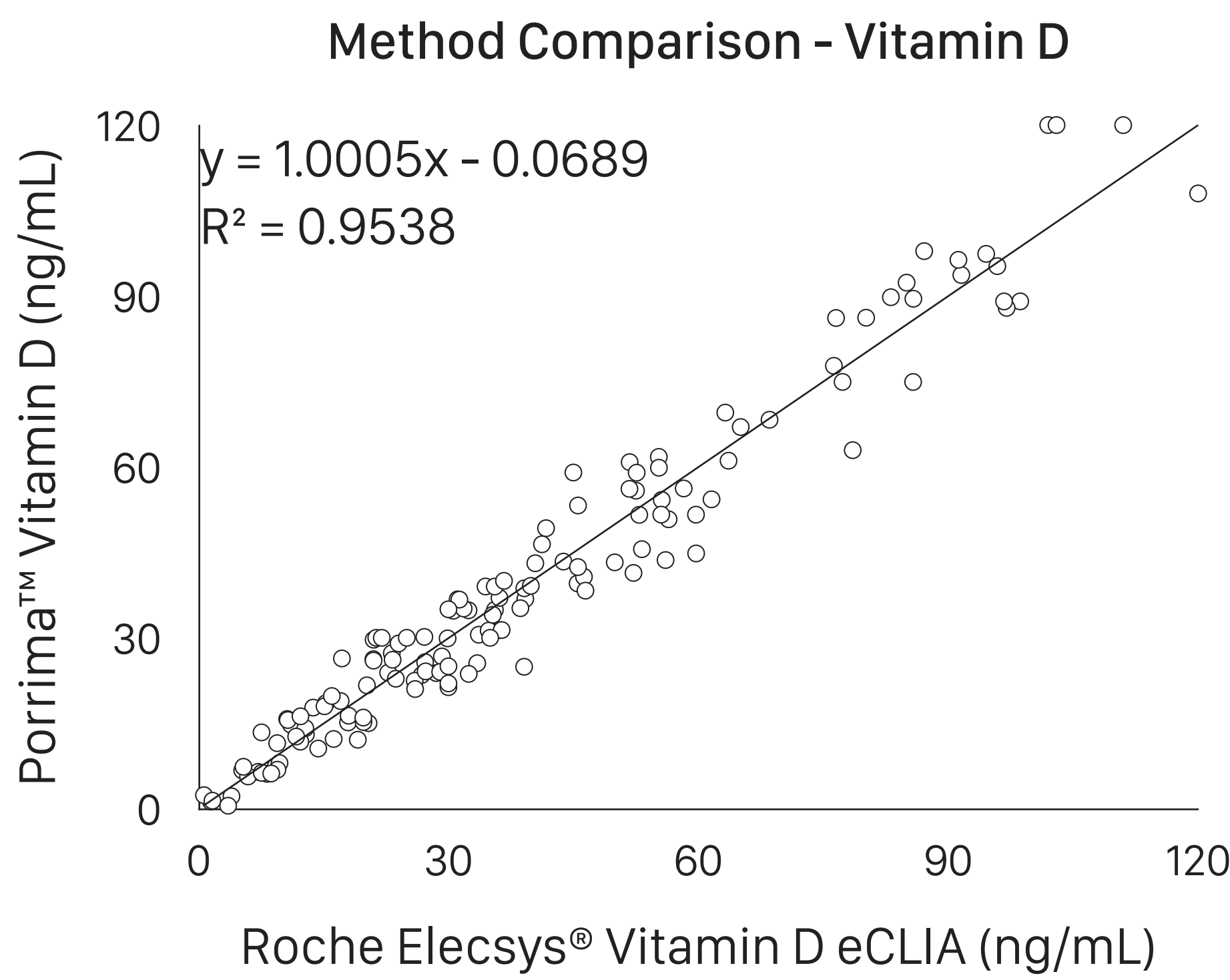
Porrima Family Collection



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



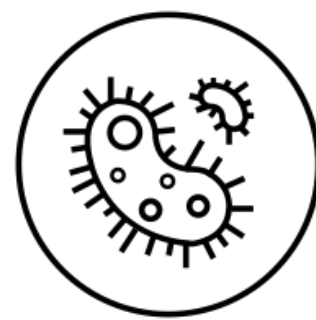
Tumor

- 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

PorrimaTM

Small yet powerful



ISO 13485:2016 Certified

DIASINO and PORRIMA are trademarks of DiaSino Laboratories Co., Ltd
All other trademarks are the property of their respective owners / Printed in China 2023/10

©2023 DIASINO

DiaSino Headquarters

DiaSino Laboratories Co., Ltd.

68 Jingnansi Road

National Eco & Tech Development Area 450000 Zhengzhou, China

Phone: +86 371 5569 5727

info@diasino.com

www.diasino.com/porrima

diasino