

Automatic Chemiluminescence Immunoassay Analyzer

Benchtop, Magnetic Particles, Highly Integrated, Full panel



VERCENTRA CS-1500
UP to 120T/H



VERCENTRA CS-3000
UP to 240T/H

Virtue Diagnostics is an innovative IVD company focused on diagnosis of infectious diseases, cancer and chronic diseases. Each developed solution is thought of based on the specific needs of each laboratory, employing the latest technologies in the in vitro diagnostics sector.

Our objective is to use different technology platforms to provide clinical solutions for patients in all stages of the disease, including early screening, initial diagnosis, treatment monitoring and minimum management of residual diseases. Taking this into account, we have launched our Chemiluminescence (CLIA) line with an extensive portfolio to meet your laboratory's need.

The availability of results in a short period of time, high productivity, high sensitivity and low cost made CLIA a chosen method to expand in vitro immunoassay activities.

We introduce the perfect solution composed of high performance reagents developed especially for the Vercentra analyzers.

The VERCENTRA system uses acridinium ester as chemiluminescence marker, which together with antibody / antigen-coated magnetic particles provide sensitivity and agility to your laboratory routine.

VERCENTRA SYSTEM

- **Specific method:** It uses a magnetic separation process that provides high sensitivity and specificity.
- **Broad spectrum of use:** Possibility of dosing using serum, plasma or urine samples.
- **High-quality reagents:** With the availability of a broad selection of reagents, it offers precise determinations and an wide detection range.
- **High productivity for better efficiency.**



CONSTANT

Throughput of CS-1500 is almost not affected by samples detection

CONTINUOUS

Samples and reagents can be loaded and unloaded without interrupting ongoing instrument activities

CONSISTENT

Reagents can be used on either CS-1500 or CS-3000; Can combine up to 4 instruments; Easy to upgrade

CONVENIENT

STAT loading and easy maintenance

VERCENTRA CS-1500

- Acridinium Ester labeled direct chemiluminescence
- Throughput up to 120 tests/hour
- 24 sample positions with STAT function
- 15 refrigerated reagent positions (2-8°C)
- Up to 130 cuvettes capacity for continuous loading

Width	500 mm
Depth	705 mm
Height	660 mm
Weight	110 kg

CUVETTE AREA

PANEL PC WITH TOUCH SCREEN

REAGENT AREA

SAMPLE AREA

IPC COMPUTER SWITCH BUTTON

CUVETTE AREA

PANEL PC WITH TOUCH SCREEN

REAGENT AREA

SAMPLE AREA

IPC COMPUTER SWITCH BUTTON

VERCENTRA CS-3000

- Acridinium Ester labeled direct chemiluminescence
- Throughput up to 240 tests/hour
- 96 sample positions with STAT function
- 24 refrigerated reagent positions (2-8°C)
- Up to 1000 cuvettes capacity for continuous loading

Width	1285 mm
Depth	740 mm
Height	710 mm
Weight	190 kg

SOFTWARE



- English
- Random, batch, emergency operation mode
- Remote control
- STAT function

Reagent System



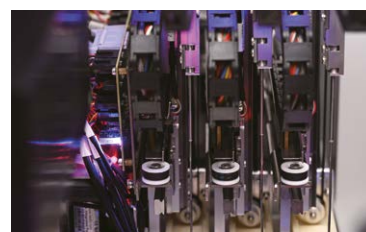
Can load and unload at any time, with barcode scanning, refrigeration and real time temperature alarm

Dilution System



Adopts the X and Z movement structure to improve the movement stability of the dilution needle and the waste liquid needle. The intelligent computer high-precision algorithm control can adjust the dilution ratio arbitrarily

Filling System



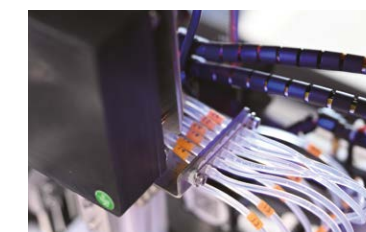
Reagents and samples are added independently, significantly improving the detection speed. Supporting different needle washing schemes, effectively reducing the carry-over contamination rate

Washing System



Six-needle double-washing station washing method, improve washing efficiency, washing slow down and other functions, good cleaning effect and high consistency

Temperature Control System



It has multiple temperature control functions such as washing liquid, substrate preheating and whole machine preheating to ensure the stability of the instrument results

Cuvettes System



It can accommodate more than 1000 cuvettes, with automatic cuvettes arrangement function and can be added in bulk at any time

Abbreviation		Product Specification	
Tumor			
AFP#	50 Tests/Kit	100 Tests/Kit	
CEA#	50 Tests/Kit	100 Tests/Kit	
CA 125#	50 Tests/Kit	100 Tests/Kit	
CA199#	50 Tests/Kit	100 Tests/Kit	
CA153#	50 Tests/Kit	100 Tests/Kit	
CA72-4#	50 Tests/Kit	100 Tests/Kit	
Cyfra 21-1#	50 Tests/Kit	100 Tests/Kit	
NSE#	50 Tests/Kit	100 Tests/Kit	
SCC#	50 Tests/Kit	100 Tests/Kit	
HE4#	50 Tests/Kit	100 Tests/Kit	
FER#	50 Tests/Kit	100 Tests/Kit	
PG I#	50 Tests/Kit	100 Tests/Kit	
PG II#	50 Tests/Kit	100 Tests/Kit	
proGRP#	50 Tests/Kit	100 Tests/Kit	
PSA	50 Tests/Kit	100 Tests/Kit	
f PSA	50 Tests/Kit	100 Tests/Kit	
Infectious			
HBsAg Quantitative	50 Tests/Kit	100 Tests/Kit	
HBsAg Qualitative	50 Tests/Kit	100 Tests/Kit	
Anti-HBs	50 Tests/Kit	100 Tests/Kit	
HBeAg Quantitative	50 Tests/Kit	100 Tests/Kit	
Anti-HBe	50 Tests/Kit	100 Tests/Kit	
Anti-HBc	50 Tests/Kit	100 Tests/Kit	
Anti-HCV	50 Tests/Kit	100 Tests/Kit	
HIV Combo	50 Tests/Kit	100 Tests/Kit	
Syphilis TP#	50 Tests/Kit	100 Tests/Kit	
Toxo IgG	50 Tests/Kit	100 Tests/Kit	
Toxo IgM	50 Tests/Kit	100 Tests/Kit	
Rubella IgG	50 Tests/Kit	100 Tests/Kit	
Rubella IgM	50 Tests/Kit	100 Tests/Kit	
CMV IgM	50 Tests/Kit	100 Tests/Kit	
CMV IgG	50 Tests/Kit	100 Tests/Kit	
HAV IgG*	50 Tests/Kit	100 Tests/Kit	
HAV IgM*	50 Tests/Kit	100 Tests/Kit	
Anti-HBc IgM*	50 Tests/Kit	100 Tests/Kit	
Hormone			
LH#	50 Tests/Kit	100 Tests/Kit	
FSH#	50 Tests/Kit	100 Tests/Kit	
PRL#	50 Tests/Kit	100 Tests/Kit	
Progesterone#	50 Tests/Kit	100 Tests/Kit	
Testosterone#	50 Tests/Kit	100 Tests/Kit	
E2#	50 Tests/Kit	100 Tests/Kit	
β-HCG#	50 Tests/Kit	100 Tests/Kit	
SHBG#	50 Tests/Kit	100 Tests/Kit	
DHEA-S#	50 Tests/Kit	100 Tests/Kit	
AMH#	50 Tests/Kit	100 Tests/Kit	
Cortisol*	50 Tests/Kit	100 Tests/Kit	

Abbreviation		Product Specification	
Thyroid			
FT3#	50 Tests/Kit	100 Tests/Kit	
FT4#	50 Tests/Kit	100 Tests/Kit	
TSH#	50 Tests/Kit	100 Tests/Kit	
T3#	50 Tests/Kit	100 Tests/Kit	
T4#	50 Tests/Kit	100 Tests/Kit	
TG#	50 Tests/Kit	100 Tests/Kit	
Anti-TG#	50 Tests/Kit	100 Tests/Kit	
Anti-TPO#	50 Tests/Kit	100 Tests/Kit	
CT#	50 Tests/Kit	100 Tests/Kit	
Diabetes			
C-P	50 Tests/Kit	100 Tests/Kit	
INS	50 Tests/Kit	100 Tests/Kit	
Inflammation			
PCT#	50 Tests/Kit	100 Tests/Kit	
IL-6#	50 Tests/Kit	100 Tests/Kit	
Others			
25-OH-VD*	50 Tests/Kit	100 Tests/Kit	
PTH*	50 Tests/Kit	100 Tests/Kit	
Folate*	50 Tests/Kit	100 Tests/Kit	
Vitamin B12*	50 Tests/Kit	100 Tests/Kit	

* means under development



- 1 Calibrators, control are included in the kit.
- 2 Two-point Calibrators, save cost.
- 3 Ready-to-use reagents
- 4 50Tests/Kit and 100Test/kit
- 5 Adapted to VERCENTRA CS-1500 and CS-3000



Virtue Diagnostics Is Your Reliable ChLIA Partner



Virtue Wechat

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website by
accessing the
QR code.