

# Cla Manufacturer



## Venus 100S(3rd G )

Fully Automated Chemiluminescence Immunoassay Analyzer



Cute and Exquisite

fully automated | Unbelievably smart |  
super cost-effective

# Venus 100S

## Venus 100S

makes use of a magnetic particle tube-based chemiluminescence detection platform, compatible with all models of Venus series. It is compact , fully automated, highly intelligent, flexible and precise, using at the research centers, laboratories, clinics,hospitals, etc.

Cuvettes  
200 pcs

Reagent positions  
15

Sample positions  
40

### Fully Automated

Automatic reagent /sample barcode reading,Dumping single cuvettes

### Independent Disks

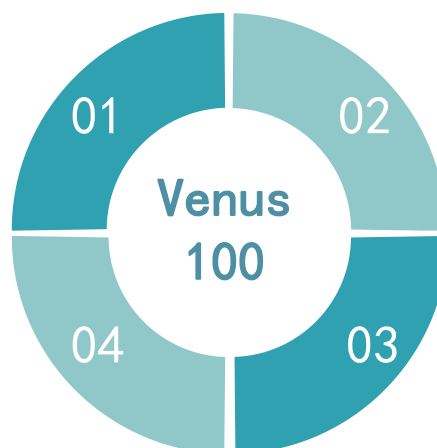
Sample and Reagent disks are separate ,adding samples conveniently

### Low Carryover

<1ppm

### Good Performance

CV≤3%



### Super Smart

1. Liquid level, clot, bubble, collision detection
2. Reagent, Substrate, Incubation temperature control
3. STAT
4. Friendly UI, easy to operate

# Core Technologies



Cuvettes production



SMT workshop

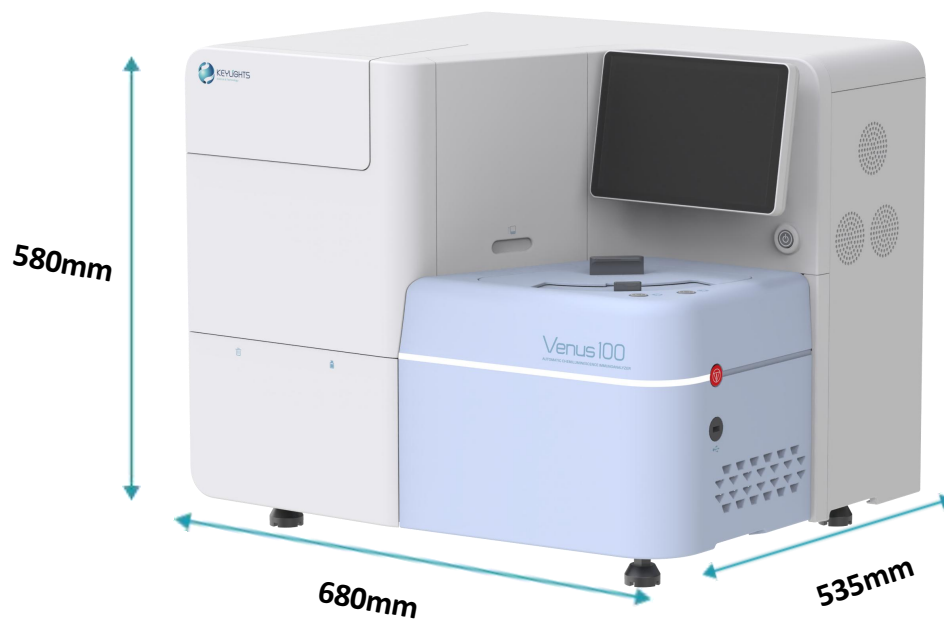


CNC workshop

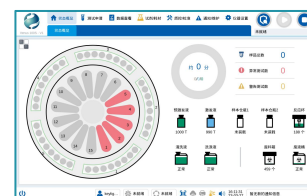
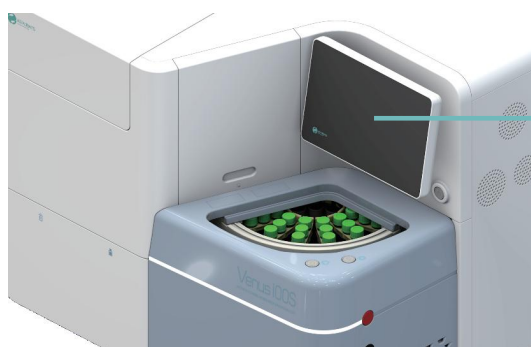
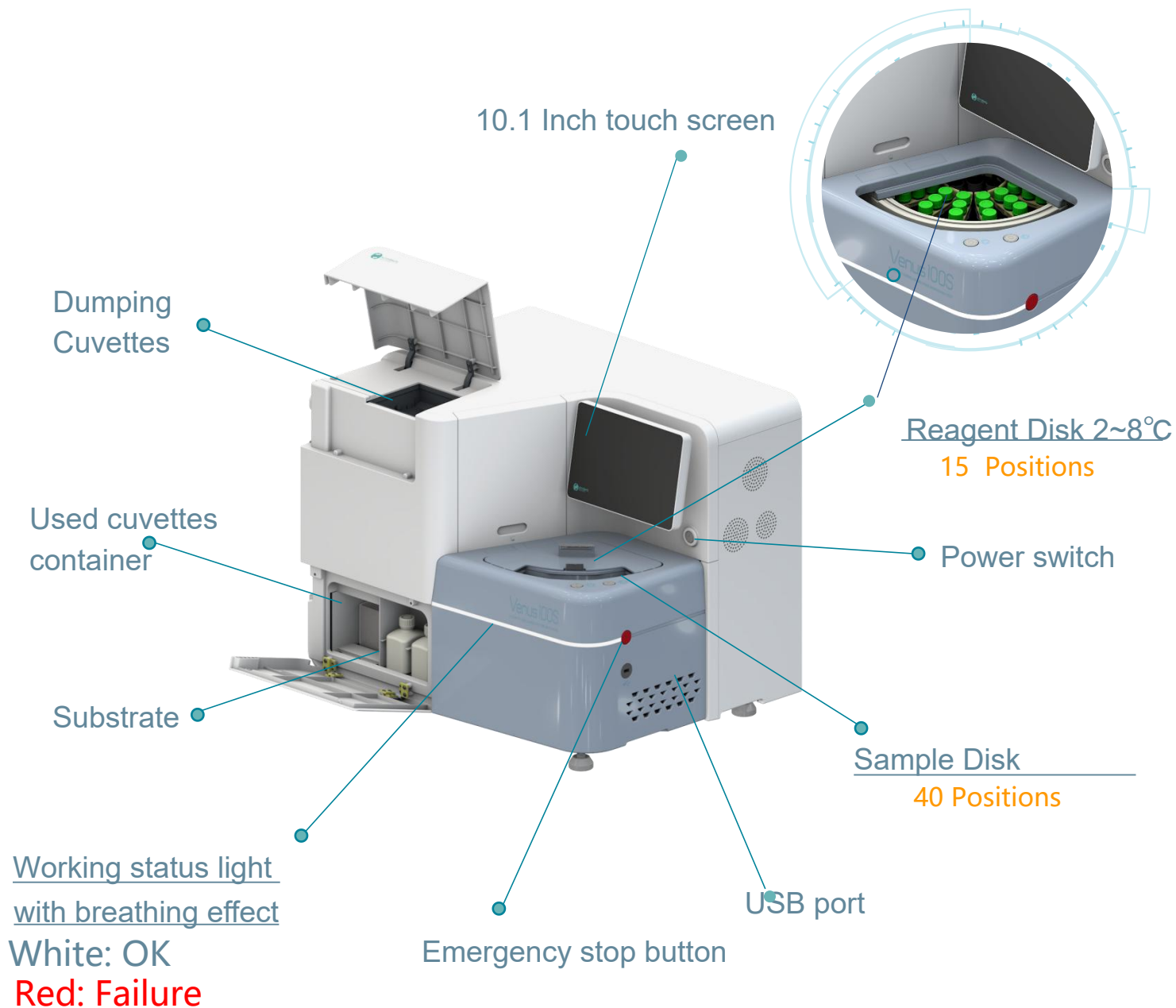
## Highly compact to save space

Dimension: 680mm\*535mm\*580mm

Space Occupied: 0.35m<sup>2</sup>



# Functional Modules



Friendly User Interface

# Functional Modules



Dumping cuvettes 200pcs

Pre-trigger+trigger

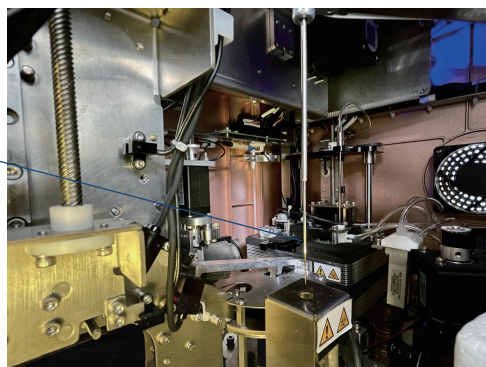
Used cuvettes container



15 reagent positions,  
with refrigeration function 2~8°C

40 sample positions  
loading/unloading samples any time

Advanced probe cleaning ( high  
pressure wash internal & external  
of probe)



# Instrument Parameters

|                   |                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Models            | Venus 100S                                                                                                                                                                                                                                                                                                         |
| Reagent System    | AE                                                                                                                                                                                                                                                                                                                 |
| Throughput        | 120T/H /(150T/H)                                                                                                                                                                                                                                                                                                   |
| Sample Positions  | 40 automatic barcode scanning                                                                                                                                                                                                                                                                                      |
| Reagent Positions | 15 automatic barcode scanning                                                                                                                                                                                                                                                                                      |
| Cuvettes          | Dumping cuvettes, 200pcs                                                                                                                                                                                                                                                                                           |
| Walk-away Time    | >2h                                                                                                                                                                                                                                                                                                                |
| Precision         | CV≤3%                                                                                                                                                                                                                                                                                                              |
| Carryover         | < 1ppm                                                                                                                                                                                                                                                                                                             |
| Smart System      | <ol style="list-style-type: none"><li>1. Automatic sample/Reagent barcode reading</li><li>2. Liquid level , collision, clots ,bubble detection</li><li>3. Interior and exterior cleaning of probe with purified water, cleaning solution or enhanced cleaning solution</li><li>4. Dumping single cuvette</li></ol> |
| Lis               | Unidirectional, Bidirectional                                                                                                                                                                                                                                                                                      |
| Screen            | 10.1-inch touch screen                                                                                                                                                                                                                                                                                             |
| Dimension         | 680*535*580 ( mm)                                                                                                                                                                                                                                                                                                  |

# 65 Reagents with CE

## Working Principle-AE

### Tumor Marker

CYFRA21-1  
NSE  
AFP  
CEA  
CA125  
SCCA  
CA15-3  
CA19-9  
CA72-4  
HE4  
PIVKA II  
ProGRP  
CA50  
CA242  
LN

### Fertility

FSH  
E2  
AMH  
PROG  
β-HCG  
TESTO  
LH  
PRL  
SHBG

### Anemia

VB12  
FA  
Ferr

### Cardiac Marker

hs-cTnI  
NT-proBNP  
BNP  
CK-MB  
MYO  
LP-PLA2  
H-FABP

### Thyroid

FT4  
FT3  
TSH  
TT3  
TT4  
TG  
TGAbs  
TPOAb

### Inflammation Monitoring

PCT  
SAA  
IL-6

### Kidney Marker

Cortisol

### Endocrine hormone

GH  
ACTH

### Stomach Marker

PG I  
PG II  
G17

### Coagulation

D-Dimer  
FDP  
PIC  
TAT  
TM  
tPAI.C

### Liver Marker

PIIINP  
CIV  
HA

### Bone Metabolism

PTH  
CT  
25-OH VD

### Glyco Metabolism

C-P  
INS

Reagent storage- 2~8 °C ; Validity period-28days;Warranty-12 months

**Keylights (ShenZhen)** Technology Co. Ltd, located in the Venture Capital Building of Nanshan Science and Technology Park in ShenZhen, is the parental company of Keysmile (ChongQing) and Keylights(ChongQing), focusing on the research, production, innovation of IVD instruments and reagents ,specifically leading cutting-edge technology in CLIA analyzers.

Established in 2013, the company has become a core partner of multiple listed companies and over 1000 top tier hospitals and labs domestic and abroad. Keylights and Keysmile have been gradually evolving into well-known brands whose products have been labelled with state-of-the-art technology and whose CDMO & OEM services have spanned the world.

Keylights and Keysmile focus on CLIA technology platform with fully independent intellectual property rights, providing unique and high-quality as well as all-rounded services for partners.

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