

**TRUMP in the field of Medical industry**

**----- Medical Analyzing and Monitoring system**

## **Medical Analyzer**

Semi-auto Chemistry Analyzer

Blood Coagulation Analyzer

Automated Hematology Analyzer

Urine Analyzer

Hemoglobin Meter

Integrative Chemiluminescence Immunoassay System

Microplate Reader

Microplate Washer

## Semi-auto Chemistry Analyzer

### TRUMP-A-01

#### Features:

- ◆ ·Bio-chromatic optic system with 7 wavelengths.
- ◆ ·Pre-programmed calculations for kinetic and endpoint assays.
- ◆ ·Large color LCD display, Win CE compatible operating system.
- ◆ ·Lamp saving feature.
- ◆ ·Temperature controlled cuvette well :25°C,30°C,37°C.
- ◆ ·Large memory to store 130 test parameters and up to 600 samples results.
- ◆ ·Reaction curve displayed.
- ◆ ·Quality control feature.
- ◆ ·Multi-forms in result output including patient comprehensive report.
- ◆ · Built-in modem support long-distance maintenance and software upgrade(optional).



## Blood Coagulation Analyzer

### TRUMP-B-01

#### Features:

- ◆ · 4 channels (4 detectors up to 4 different parameter analysis).
- ◆ · Easy Windows operation system with touch screen or external mouse, large LCD display.
- ◆ · Advanced scattered light principle and percentage analysis ensure accurate results.
- ◆ · Low reagent consumption.
- ◆ · 18 routine parameters programmed with memory up to 10000 results.
- ◆ · QC and calibration program incorporated.
- ◆ · Multi-forms in result output including patient comprehensive report.
- ◆ · Auto power-on self-check feature.
- ◆ · Electronically-linked pipette optional.



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## Automated Hematology Analyzer

### TRUMP-C-01

#### Features:

- ◆ ·Large display& Window operation system, friendly to customer.
- ◆ ·Large storage, convenient to inquiry.
- ◆ ·Energy saving function.
- ◆ ·Fully automated, compact, flexible and high accuracy.
- ◆ ·Intelligent cleaning technology.
- ◆ ·Alarm marking: 8 group human clinical database.



#### Specifications:

- ◆ ·Parameters: WBC, LY#, MO#, GR#, LY%, MO%, GR%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT.
- ◆ ·3-part differentiation of WBC: 19 parameters + 3 histograms.
- ◆ ·Sample Mode: Whole blood & Pre-diluted.
- ◆ ·Sample Volume: Venous 18ul, Capillary 20ul.
- ◆ ·Reagent: 0.7ml lytic reagent and 40ml diluent per test.
- ◆ ·Throughput: Up to 60 samples per hour .
- ◆ ·Data storage: 20000 samples.
- ◆ ·Display: 10.4 inches TFT .
- ◆ ·Dimension: 500mm x 372mm x 420mm.
- ◆ ·N.W.:25kgs .
- ◆ ·Power requirement: AC 100V~240V, 50/60Hz.
- ◆ ·Input/Output: WINDOWS CE 4.2 operation system, Standard keyboard & PC mouse. Built-in thermal recorder, optional Rs232 & USB interfacing to external laser or inkjet printer.

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## Urine Analyzer

### TRUMP-U-01

#### Features:

- ◆ ·Low cost, smaller volume, easy to use
- ◆ ·Cold light source, less interference and long life
- ◆ ·Internal thermal printer and external printer applicable
- ◆ ·Standard RS232 interfacing to host computer
- ◆ ·Barcode reader applicable



#### Specifications:

- ◆ ·Test items: pH, Nitrite, Specific gravity, Ascorbic Acid, Blood, Glucose, Bilirubin, Urobilinogen, Ketone, Leucocytes, Protein
- ◆ ·Principle: Spherical integrator and dual-wavelength reflectance photometer
- ◆ ·Two test modes: Normal mode, 60samples/hour; Continuous mode, 120samples/hour
- ◆ ·Memory capacity:1000 samples
- ◆ ·Dimension: 290mm x 200mm x 100mm

### TRUMP-U-02

#### Technical Index

- ◆ ·Test items: pH, Nitrite, Protein, Specific Gravity, Ascorbic Acid, Blood, Glucose, Bilirubin, Urobilinogen, Ketone, Leucocytes in the urine
- ◆ ·Measuring Principle: Dual wavelength reflectance photometer.
- ◆ ·Test Speed: 500 samples/ hour ·Measuring wavelength: 550nm, 620nm, 720nm .
- ◆ ·Memory capacity: 1000 samples.
- ◆ ·Service life: New device and more than 5000 hours service life.



#### Specification

- ◆ ·The addition Ascorbic Acid item increase the reliability of the measurement.
- ◆ ·Low noise and long life thermal printer.
- ◆ ·Touch LCD screen, microcomputer.

- ◆ ·RS232 interface and printer interface connect with computer and out printer.
- ◆ ·Automatically remove the waste reagent strip.
- ◆ ·On-line software is available.

## Hemoglobin Meter

### Features:

- ◆ Portable hemoglobin testing
- ◆ Reliable POCT
- ◆ Easy to use
- ◆ Accurate results



### Products Introduction

#### Suitable Crowd

- ◆ ·Retired and elderly-Undiagnosed anemia may be cause of fatigue,dizziness and loss of concentration.
- ◆ ·Diabetics-Anemia is a risk factor in renal disease and congestive heart failure for both Type 1 and Type 2 diabetics .
- ◆ ·Pregnancy and Heavy Menstrual complications-Anemia can lead to low-birth-weight babies and prolonged labor.
- ◆ ·Adolescent-Adolescent girls may suffer anemia from an iron poor diet
- ◆ ·Multiform anemia patients .

#### Workable place

- Home self-test
- Doctor's Offices-Immediate results allow real-time diagnosis and treatment determination.
- Hospital-Surgical Suite-Emergency Rooms provide better patient outcomes in compressed time
- Blood Banks and Blood centers-less processing time and wasted donations
- Dialysis Centers
- EMS - Remote Sites-Disaster Teams

#### Specifications

- Principle: Reflectance photometry
- Sample: One drop of whole blood (10  $\mu$ L )
- Strip: Single use, with lot-specific code per bottle

- Speed: Results within 30 seconds
- Range: 4.0-24.0g/dL

Memory Capacity: 250 data storage

·Accuracy: 95% or great

### Chatacteristics

- ◆ ·Optional: Two concentration units, g/dL or mmol/L
- ◆ ·Automatic: Self-calibrating, no additional calibration required
- ◆ ·Convenient: Trouble-shooting code for maintenance
- ◆ ·Simple: Ready-to-use strip,3-step test procedures

## Integrative Chemiluminescence Immunoassay System

### TRUMP-T-01

#### Characteristics:

- ◆ ·Advanced platform  
High sensitive chemiluminescence Immunoassay technology
- ◆ ·Efficient integrative design  
Exact three-dimensions transmission system, low waste fiber transmission and low noise running. Vibrating system with constant temperature of 25°C to ensure the only results.
- ◆ ·Stringent quality control  
Light absorptive surface and excellent reflection surface eliminate interference between wells.
- ◆ ·Overall quantitative analysis  
The system includes multiple mathematical models, and selects the calibration curve automatically. One or two standards can be sued to modify the existent curves to save cost.
- ◆ ·Excellent data processing  
Many kinds of report forms can be output for the convenience of intramural online and remote diagnosis.



#### Parameters:

Metrical system	PMT
Plate format	96 microplate
Linearity range	10~1600×104RLU
Sensitivity	≤ 0.01μIU/ml (TSH) 0.1~200000Miu/ml (HCG)
Crosstalk	less than 1×10 <sup>-5</sup>
Detection time	0.1~6 s/well
Repetition character	CV<3%
Speed	about 3 minutes (96 microplate)
Port	RS232 serial port or USB port

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Power supply	110~250VAC, 50~60Hz
Dimension	754mm×550mm×472mm
Weight	25kg

### Configuration

·Semi-automatic immunoassay analyzer	1 set
·Jet printer	1set
·Software CD and instructions	1 set

## Microplate Reader

### TRUMP-M-01

- Bichromatic optic system with 4 wavelengths.
- 8-channel optic fibre system, get reading result in just 5 seconds.
- Large LCD display, Win CE compatible operating system.
- Touch-screen or external mouse.
- Large memory to store 500 results.
- Shaking plate feature.
- Performing 12 different tests just in one plate.
- Multi-forms in result output including patient comprehensive report.
- Built-in modem support long-distance maintenance and software upgrade(optional).



## Microplate Washer

### TRUMP-W-01

#### Features

- ◆ · Flat, U or V-bottom plates and strips washing.
- ◆ · Large LCD display, Win CE compatible operating system.
- ◆ · Large memory to store up to 48 user programmed wash protocols.
- ◆ · Automatic monitoring of vacuum and pressure, automatic rinse cycle.
- ◆ · Low residual volume.
- ◆ · 12-way manifold included and 8-way optional.
- ◆ · Emergency stop available.
- ◆ · Liquid warning.

