



**The Best  
Pet's Health  
Guardian**

### About skyla®

skyla®, derived from the Latin word "scilla", meaning "passionate and energetic", in such a way we focus to deliver reliable technological opportunities to the healthcare industry. skyla® belongs to the Lite-On Corporate Group, with multidisciplinary expertise in optics, mechanical, electronic, materials, chemistry biotechnology and medical engineering. Guaranteeing the development of high quality innovative medical products.

Visit us at [www.skyla.com](http://www.skyla.com)



- www.skyla.com
- +886.3.611.8511
- +886.3.579.5393
- support@skyla.com
- 1F, No.8, Dusing Rd., Hsinchu Science Park,  
East Dist., Hsinchu City, Taiwan

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**skyla® VB1**

Veterinary Clinical Chemistry Analyzer



# skyla<sup>®</sup> VB1

## Veterinary Clinical Chemistry Analyzer

Biochemistry Electrolyte Endocrine

VB1 is a portable veterinary clinical chemistry analyzer designed to provide smart solutions to improve efficiency of blood tests and meet the needs of veterinary clinics.



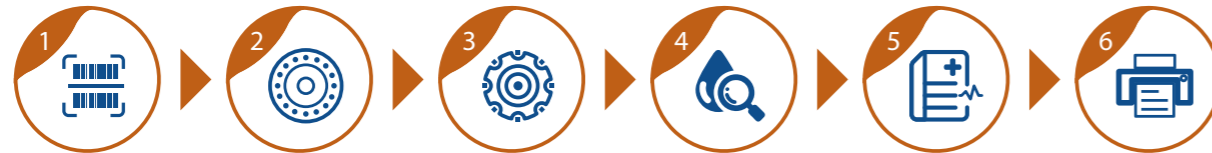
### Simple 3-Step Procedures



1. Inject blood sample    2. Press "START"    3. Read the results



### Fully Automated Operations



Step 1. Barcode Reading                      Step 4. Reaction and Multiple Detections  
 Step 2. Centrifuge and Dilute              Step 5. Analysis  
 Step 3. Internal Quality Control            Step 6. Display and Print Results



### Intelligent Interference Eliminating (iiE) System

Use multiple wavelengths LEDs and big data to eliminate the effect of sample lipemia(LIP), hemolysis(HEM) and icterus(ICT) interference and provide high accuracy results.



### Only 200µl Micro Sample Size

Whole blood, serum or plasma is accepted. No sample preparation is required.



### 15min Test Time



### More than 30 Test Items

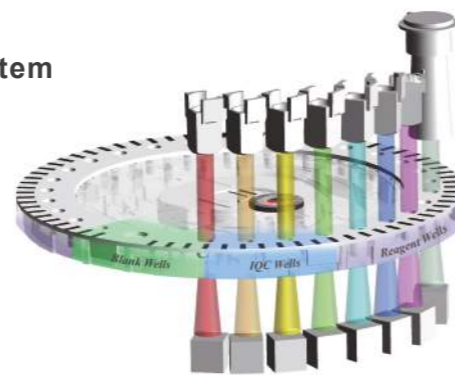


### Wi-Fi / Remote Control (VB+)



### Large Memory Storage

Up to 50,000 records



## Test Items

(# Calculated) (\*Under Development)

Renal Function	BUN, UREA <sup>#</sup> , UA, CREA, B/C <sup>#</sup> (BUN/CREA), UPC <sup>#</sup> (UPRO/UCRE)
Liver Function	ALB, ALT, AST, TBIL,GGT, BA, NH3 <sup>*</sup> , GLOB <sup>#</sup> (TP-ALB), A/G <sup>#</sup> (ALB/GLOB)
Pancreatitis Marker	AMY, LIPA
Carbohydrate, Lipid Metabolism and Others	GLU, FRU, TRIG, CHOL, TP, ALP, CPK, LAC
Endocrine	T4
Electrolyte	Na, K, Cl, Ca, PHOS, Mg, tCO <sub>2</sub> , C-Ca <sup>#</sup> , AGap <sup>#</sup>

## Main Specifications

<b>Principle</b>	
Colometric Method	LEDs 340nm~940nm wavelength
<b>Sample &amp; Panel</b>	
Test Profiles	Panels, single assay tests and dual assay tests
Measurement Time	Panel: up to 15 tests in 15 min. Single / Dual assay test: Up to 6 tests in 12 min.
Sample Type & Volume	200 µL Whole blood (PCV<60%), plasma or serum
<b>System Design</b>	
User Interface	5 inch color LCD touch screen
Internal Memory	Store up to 50,000 analysis results
Printer	Built in thermal printer or external USB printer (PCL 3GUI, PCL6)
USB Socket	USB type A (Host) for external USB Printer, USB flash drive (FAT)
Data transmission to PC	RS232 serial port or RJ45 (LAN)
Dimensions	233 (W) X 285 (D) X 300 (H) mm
Weight	5.5 kg
<b>Operating Condition</b>	
Temperature / Humidity	10 to 32°C / 5 to 95%

## Test Profiles

Test profiles are subject to change without notice. (#Calculated) (\*Under Development)

Preanesthetic Panel (7+4)	ALB,ALP,ALT, BUN, CREA, GLU, TP, GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , UREA <sup>#</sup>
Renal Panel (9+5)	ALB, BUN, CREA, PHOS, Ca, Na, K, Cl, tCO <sub>2</sub> , B/C <sup>#</sup> , Na/K <sup>#</sup> , AGap <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Diagnosis Panel (13+5)	ALB, ALP,ALT, AMY,AST, BUN, CHOL, CREA, GLU, TBIL, TP, Ca, PHOS, GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Liver Panel (8+3)	ALB, ALP,ALT, AST, TBIL, TP, BUN, GGT, GLOB <sup>#</sup> , A/G <sup>#</sup> , UREA <sup>#</sup>
Diagnosis Plus Panel (13+6)	ALP,ALT,ALB, BUN, CREA, GLU, TP,AMY, TBIL, Ca, PHOS, Na, K, GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , Na/K <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Equine Panel (14+6)	ALP,AST, CREA, BUN, TP, GLU, ALB, TBIL, CPK, GGT, Ca, Na, K, tCO <sub>2</sub> , GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , Na/K <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Thyroid/T4 Panel (2)	T4, CHOL
Large Animal Panel (14+5)	ALP,AST, BUN, TP,ALB, Ca, PHOS, CPK, GGT, Na, K, Cl, Mg, GLU, GLOB <sup>#</sup> , A/G <sup>#</sup> , Na/K <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Liver Plus Panel (10+3)	ALP,ALT,AST, BUN, TP,ALB, GGT, TBIL, BA, CHOL, GLOB <sup>#</sup> , A/G <sup>#</sup> , UREA <sup>#</sup>
Avian & Reptile Panel (12+4)	AST, TP,ALB, GLU, Ca, PHOS, Na, K, Cl, CPK, BA, UA, GLOB <sup>#</sup> , A/G <sup>#</sup> , Na/K <sup>#</sup> , C-Ca <sup>#</sup>
Diabetes Panel (4+2)	FRU, GLU, TP, ALB, GLOB <sup>#</sup> , A/G <sup>#</sup>
Electrolytes Panel (4+2)	Na, K, Cl, tCO <sub>2</sub> , Na/K <sup>#</sup> , AGap <sup>#</sup>
Diagnosis-II Panel (14+5)	ALB, ALP,ALT, AMY, BUN, CHOL, CREA, GLU, TBIL, TP, Ca, PHOS, LIPA, GGT, GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Critical Care Panel (14+7)	ALB, ALP,ALT, BUN, CREA, GLU, TP, Ca, Na, K, Cl, tCO <sub>2</sub> , LAC, CPK, GLOB <sup>#</sup> , A/G <sup>#</sup> , B/C <sup>#</sup> , Na/K <sup>#</sup> , AGap <sup>#</sup> , C-Ca <sup>#</sup> , UREA <sup>#</sup>
Single Assay Test	BUN, CREA, Cl, TBIL, LAC, NH3 <sup>*</sup>
Dual Assay Test	Na+K+Na/K <sup>#</sup> , Ca+PHOS, CPK+AST, ALB+TP+GLOB <sup>#</sup> +A/G <sup>#</sup> , ALP+ALT, TRIG+CHOL, GGT+CPK, LIPA+AMY, UPRO+UCRE+UPC <sup>#</sup>