



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.

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The Best Pet's Health Guardian



skyla VB1

Veterinary Clinical Chemistry Analyzer

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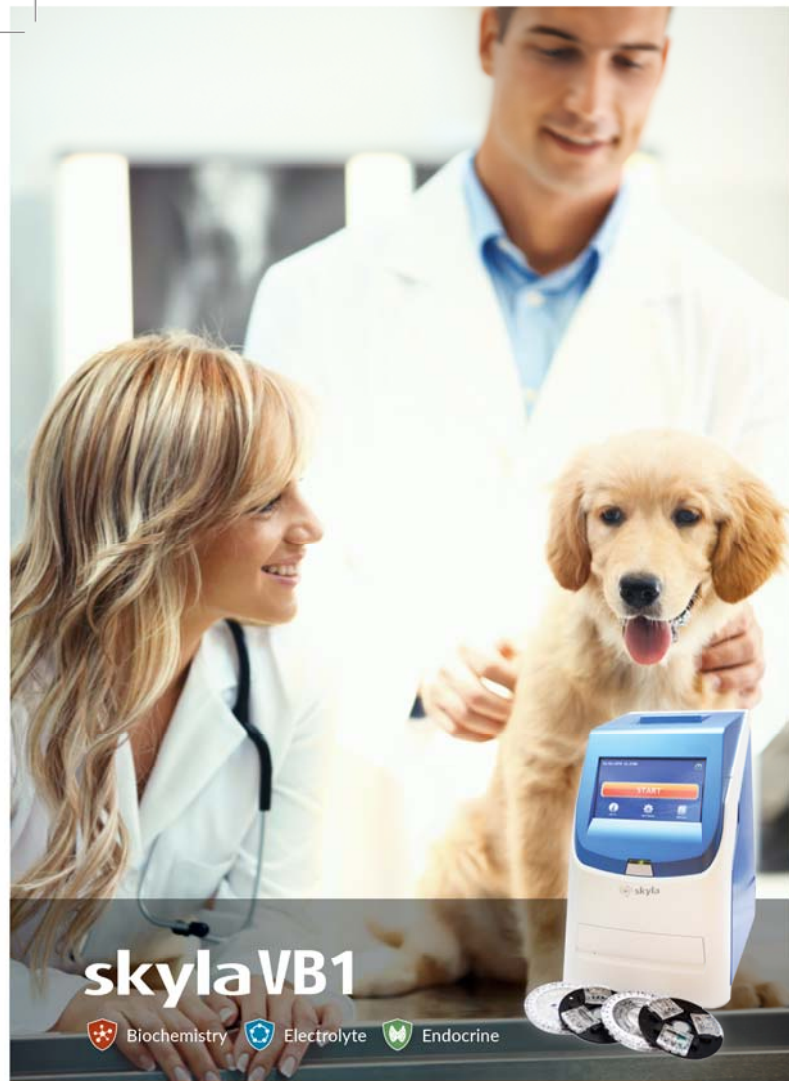
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skyla VB1

 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.

Total Available Parameters (#Calculated, *Under Development)

ALB, ALP, ALT, AST, AMY, BUN, CREA, GLU, TBIL, GGT, Na, K, Cl, Ca, PHOS, Mg, TP, CPK, CHOL, TRIG, UA, LDH, T4, BA, tCO₂, LAC*, FRU*, UCRE, UPRO, UPC# NH₃*, GLOB#, A/G#, B/C#, Na/K#



Simple 3-Step Procedures

The device provides fully automatic procedures to test samples with only three steps.



- 1 Inject 200 μ L blood sample
- 2 Press "START" and then insert reagent disc
- 3 Read the results



Fully Automated Operations

All steps are designed automatically from checking the validity of reagent discs and cartridges to printing the results.



- Step1. Barcode Reading
- Step2. Centrifuge and Dilute
- Step3. Internal Quality Control
- Step4. Reaction and Multiple Detections
- Step5. Analysis
- Step6. Display and Print Results



All-in-one Device

The device combines biochemistry, electrolyte and endocrine test functions which helps users save time, space and money.



Only 200 μ L Micro Sample Size

The whole blood, serum or plasma is accepted. A full profiles test only needs 200 μ L of blood from small animals and other species. No sample preparation is required when testing whole blood.



15 min. Test Time

Results in 15 minutes on panels with maximum 15 parameters.



Reliable Test Results

Internal Quality Control (IQC) with self-calibration of optical system, chemical stability and interference alerts functions monitor and ensure the results with high accuracy.



Multi-tests Profiles

The device allows more than 25 test parameters with fast and accurate analysis.



Built-in Centrifuge

Whole blood sample can be measured without pre-treatment.



PC Software for Test Results Management

skyla provides self-developed software for users to conveniently manage animals' test results in PC.



User Friendly Interface

Five inches color LCD touch screen and multiple-languages function allow users to operate the system easily and enhance user experiences.



Large Memory Storage

The device has internal storage capacity of up to 50,000 animal records.



Easy to Carry/ Only 5.5kg

The device is designed in portable and space saving ways with only 5.5kg.

Test Profiles

Preanesthetic Panel (7)	ALP, ALT, BUN, CREA, GLU, ALB, TP, GLOB#, A/G#, B/C#
Renal Panel (9)	ALB, BUN, CREA, PHOS, Ca, Na, K, Cl, tCO ₂ , B/C#, Na/K#
Diagnosis Panel (12)	ALB, ALP, ALT, AMY, BUN, CREA, AST, GLU, TBIL, TP, Ca, PHOS, GLOB#, A/G#, B/C#
Liver Panel (8)	ALB, ALP, ALT, AST, TBIL, TP, BUN, GGT, GLOB#, A/G#
Live Plus Panel (10)	ALP, ALT, AST, BUN, TP, ALB, GGT, TBIL, BA, CHOL, GLOB#, A/G#
Diagnosis Plus Panel (13)	ALP, ALT, ALB, BUN, CREA, GLU, TP, AMY, TBIL, Ca, PHOS, Na, K, GLOB#, A/G#, B/C#, Na/K#
Thyroid/T4 Panel (2)	T4, CHOL
Equine Panel (14)	ALP, AST, CREA, BUN, TP, GLU, ALB, TBIL, CPK, GGT, Ca, Na, K, tCO ₂ , GLOB#, A/G#, B/C#, Na/K#
Large Animal Panel (14)	ALP, AST, BUN, TP, ALB, Ca, PHOS, CPK, GGT, Na, K, Cl, Mg, GLU, Cl, GLOB#, A/G#, Na/K#
Electrolyte Panel (4)	Na, K, Cl, tCO ₂ , Na/K#
Avian & Reptile Panel (12)	AST, TP, ALB, GLU, Ca, PHOS, Na, K, Cl, CPK, BA, UA
Diabetes Panel* (4)	GLU, CHOL, TRIG, FRU*
Single Assay Test	BUN, CREA, Cl, TBIL, AMY, LDH, LAC*, UPRO*, UCRE*
Dual Assay Test	Na+K, Ca+PHOS, AST+CPK, ALB+TP, ALP+ALT, TRIG+CHOL, GGT+CPK

The subject are changed without notification. *Mark refers to under development

Main Specifications

Principle	
Colorimetric Method	LEDs 340nm~940nm wavelength
Sample & Panel	
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 10 min.
Sample Type & Volume	200 μ L Whole blood (PCV<60%), plasma or serum
System Design	
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)
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
Operating Condition	
Temperature / Humidity	10 to 32°C / 5 to 95 %