



skyla[®] Solution

Solution – combine with all immunoassay and chemistry methodology in one device to offer the best efficiency, accessibility and accuracy of veterinary clinical blood test.

Features



Working Environment 5°C ~ 35 °C
High endurance and reliable performance to wide range working environment.



3 Specimens Test at One Time
- One Immunoassay + Two Chemistry
- Three Chemistry



All Methodology in one Device
- ELISA
- Turbidimetry
- Colorimetry



Microfluidic Chip Technique
Employs unique fluid dynamics and mechanical design to accelerate the efficient of blood sample separation.

Easy Operation

Iconic Graphic User Interface, Walk Away Operation



Intelligent Interference Eliminating (iiE) System

Use multiple wavelengths LEDs and big data, to eliminate the effect of sample lipemia, hemolysis and Icterus interference and provide the high accuracy results.

**Total solution
for veterinarian**



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Veterinary Biochemistry Immunoassay Analyzer

Test Profiles

I Immunoassay Cartridge

Test Items	Species	Application	Cartridge and Sample Type
NEW TT4 Total Thyroxine	c (c) f (f)	Hypothyroidism (canine), hyperthyroidism (feline) diagnosis and monitoring	Cartridge-T P/S
NEW cTSH	c (c)	Hypothyroidism diagnosis. Best measured in combination with TT4.	Cartridge-E P/S
NEW cCOR Cortisol	c (c)	Hyperadrenocorticism (Cushing's), hypoadrenocorticism (Addison's) diagnosis and monitoring	Cartridge-E P/S
NEW cPROG Progesterone	c (c)	Eugenics index : predict ovulation and monitor reproductive timing	Cartridge-E P/S
NEW cA1C HbA1c	c (c)	Diabetes diagnosis and long-term monitoring	Cartridge-T WB
PHBR Phenobarbital	c (c) f (f)	Epilepsy medication monitoring	Cartridge-T P/S
cCRP	c (c)	Systemic inflammation marker	Cartridge-T P/S
SAA	e (e) f (f)	Systemic inflammation marker	Cartridge-T P/S

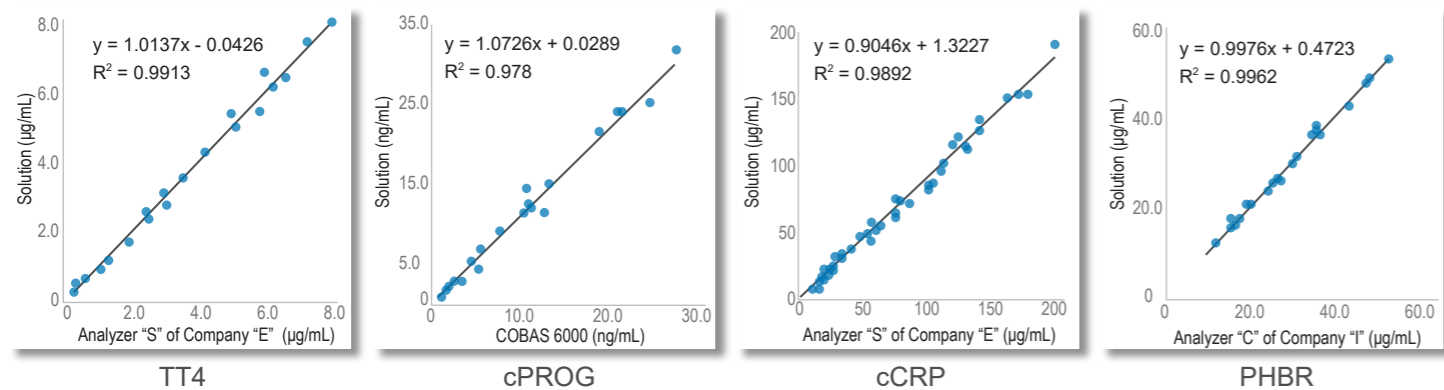
PLANNING ITEMS

cPL, fPL Pancreatic Lipase	c (c) f (f)	Pancreatic inflammation marker
NT-proBNP	c (c) f (f)	Heart failure diagnosis and monitoring

Test items are subject to change without notice. (c canine) (f feline) (e equine)

I High Reliability

Excellent correlation with standard laboratory analyzer.



Test Profiles



Check for Updates.

C Chemistry Reagent Panel

Items Calculated Panel	ALP	ALT	AST	BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G	TBIL	PHOS	Ca C-Ca	Na Na/K	K	Cl	GGT	Others
Peanesthetic (7+4)	ALP	ALT		BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G								
Renal (9+5)				BUN UREA	CREA B/C			ALB		PHOS	Ca C-Ca	Na Na/K	K	Cl		tCO2 AGap
Diagnosis (13+5)	ALP	ALT	AST	BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G	TBIL	PHOS	Ca C-Ca					AMY CHOL
Diagnosis Plus (13+6)	ALP	ALT		BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G		PHOS	Ca C-Ca	Na Na/K	K			AMY
Diagnosis-II (14+5)	ALP	ALT		BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G	TBIL	PHOS	Ca C-Ca				GGT	AMY LIPA CHOL
Critical Care (14+7)	ALP	ALT		BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G			Ca C-Ca	Na Na/K	K	Cl		tCO2 AGap CPK LAC
Liver (8+3)	ALP	ALT	AST	BUN UREA			TP GLOB	ALB A/G	TBIL						GGT	
Liver Plus (10+3)	ALP	ALT	AST	BUN UREA			TP GLOB	ALB A/G	TBIL						GGT	BA CHOL
Equine (14+6)	ALP		AST	BUN UREA	CREA B/C	GLU	TP GLOB	ALB A/G	TBIL		Ca C-Ca	Na Na/K	K		GGT	tCO2 CPK
Large Animal (14+5)	ALP		AST	BUN UREA		GLU	TP GLOB	ALB A/G		PHOS	Ca C-Ca	Na Na/K	K	Cl	GGT	CPK Mg
Avian & Reptile (12+4)			AST			GLU	TP GLOB	ALB A/G		PHOS	Ca C-Ca	Na Na/K	K	Cl		BA CPK UA
Diabetes (4+2)						GLU	TP GLOB	ALB A/G								FRU
Electrolytes (4+2)												Na Na/K	K	Cl		tCO2 AGap
Thyroid/T4 (2)																T4 CHOL
Single Assay	BUN, CREA, Cl, TBIL, LAC, Mg* NEW NH3															
Dual Assay	Na + K + Na/K, Ca + PHOS, AST + CPK, ALB + TP + GLOB + A/G, ALP + ALT, TRIG + CHOL, GGT + CPK, LIPA + AMY NEW UPRO + UCRE + UPC, BA + CHOL															

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

Simple Steps

1 Apply sample



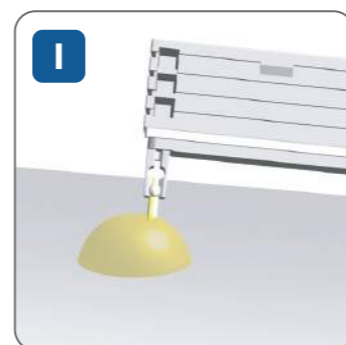
Reagent Disc



SA Cartridge



Cartridge-E



Cartridge-T

2 Start analysis and get results



Industry leading design : 3X save time

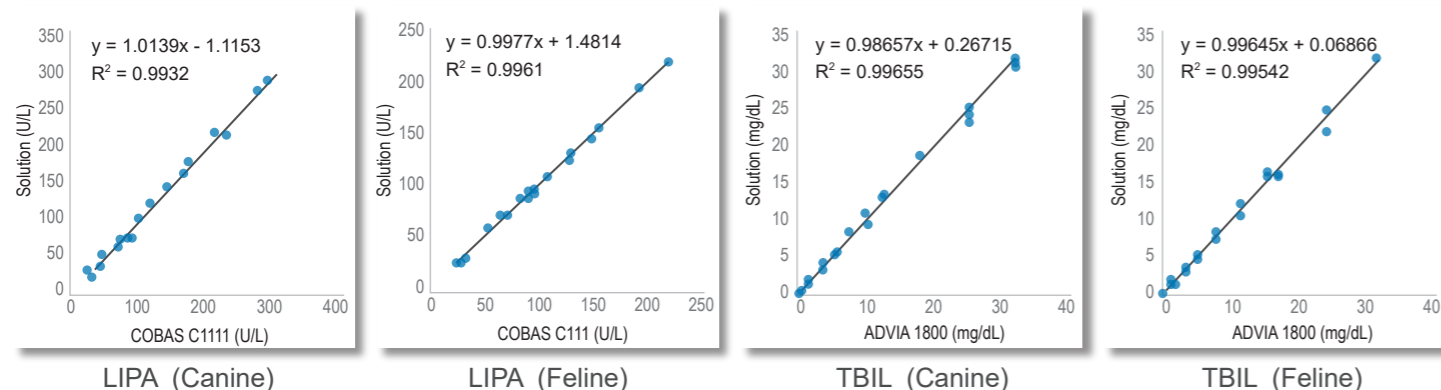
Immunoassay item and chemistry panel , total 3 specimens can be tested at the same time which greatly reduces the waiting time, improves satisfaction index on medical quality.

Fully Automated calibration and analysis

Even for non-professionals, can easily get the hang of operation as all calibrations, quality control, dilution, reaction monitoring and measurements are conducted automatically, which reduces time of training and cost of resources.

High Reliability

Excellent correlation with standard laboratory analyzer.



About skyla®

skylas® 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.

- 🏠 1F, No.8, Dusing Rd., Hsinchu Science Park, East Dist., Hsinchu City, Taiwan
- ☎ +886.3.611.8511
- ✉ support@skylas.com



Visit us at www.skylas.com

Main Specifications

Principle

Colorimetric Method LEDs 340nm~940nm

Turbidimetry, ELISA Laser or LEDs 340nm~650nm

Device

User Interface 8" TFT color LCD touch screen

Memory Capacity 50,000 test results

Dimensions / Weight 490(H) x 230(W) x 358(D) mm / 12kg

Data Transmission USB 2.0, 5 Ports Master, (USB2.0 Support Wi-Fi dongle 802.11 b/g/n), RS232, Ethernet 10/100Mbps

Printer Built in thermal printer / External printer (Support PCL 3GUI, PCL5, PCL6 printers)

Sample & Panel

Sample Type Whole blood, plasma, serum (depends on methodology)

Sample Volume 1-200µL (depends on test items)

Test Profile Chemistry: panel, single assay, dual assay; Immunoassay: single item.

Measurement Time Chemistry panel: up to 15 tests in 12 ~ 15 mins;
Chemistry single / dual assay: up to 6 tests in 12 mins.
Immunoassay Item: 6~25 mins (depends on methodology)

Operation Condition

Temperature / Humidity 5 - 35°C / 0 - 95%