VeChek PRO

For Veterinary Use



Vechek PRO Urine Analysis Solution For Assured Quality in Veterinary Testing

- *Option of equipment based or visual reading giving flexibility to the users.*
- *Crystal clear differentiation between different shades for accurate results.*
- *High quality color chart for easy interpretation.*
- *Good ascorbic acid anti-interference ability.*
- *Consistent results with least variations.*
- *Rapid testing speed: 1 test strip per minute.*
- *Built-in thermal printer for instant test report.*
- *LIS/HIS compatible to streamline patient care workflows.*
- *Portable, lightweight, compact, and user-friendly operation.*

Product Information

Product	: Urinalysis Reagent Dipsticks
Measurement	: Qualitative / Semi-quantitative
Specimen	: Urine
Read Time	: 30 -120 seconds
Shelf life	: 24 months
Storage Temperature	: 2-30°C





Parameters and Clinical Significance

Parameter	Clinical Significance
Ascorbic Acid **(ASC)**	High levels of ASC affect the test results of other parameters, indicate re-testing.
Bilirubin (**BIL**)	Elevated BIL levels indicate different forms of liver disease such as hepatitis.
Blood (**BLO**)	Presence of BLO indicates a number of pathologies including kidney damage or urinary tract.
Glucose (**GLU**)	Presence of GLU provides diagnostic value for diabetes and acute renal failure.
Ketone (**KET**)	Elevated KET levels indicate diabetes, starvation, vomiting, and febrile states.
Leukocytes (**LEU**)	Presence of LEU indicates kidney or urinary tract infection or possibly a tumor.
Nitrite (**NIT**)	Presence of NIT indicates infection including urinary tract infection.
pH	Alkaline pH(>8) values suggest urinary tract infection.
Specific Gravity (**SG**)	Elevated SG levels indicate liver disease, excessive loss of free water, or congestive heart failure.
Protein (**PRO**)	Elevated PRO level is a frequent symptom in renal diseases.
Urobilinogen (**URO**)	Elevated URO levels may indicate disturbance of liver functions, cirrhosis, and viral hepatitis
Calcium (**CA**)	Elevated CA levels indicate metabolic bone diseases like osteoporosis.
Creatinine (**CRE**)	Elevated CRE levels indicate different forms of renal disease.
Microalbumin (**ALB**)	Elevated ALB levels indicate diabetic glomerular microangiopathy or diabetic nephropathy.

14 Parameters & Ultra-low Limit of Detection

Bilirubin (BIL)	0.4-1.0 mg/dL (6.8-17 µmol/L)	**Ascorbic Acid (ASC)**	5-10 mg/dL (0.28-0.56 mmol/L)	**Leukocytes (LEU)**	9-15 white blood cells Leu/µL
Glucose (GLU)	50-100 mg/dL (2.5-5 mmol/L)	**Ketone (KET)**	2.5-5 mg/dL (0.25-0.5 mmol/L)	**Urobilinogen (URO)**	0.2-1.0 mg/dL (3.5-17 µmol/L)
Nitrite (NIT)	0.05-0.1 mg/dL	**pH**	5-9	**Specific Gravity (SG)**	1.000 -1.060
Protein (PRO)	7.5-15 mg/dL (0.075-0.15 g/L)	**Blood (BLO)**	0.018-0.060 mg/dL or 5-10 Ery/µL	**Calcium (CA)**	4-40mg/dL (1.0-10mmol/L)
Creatinine (CRE)	20-100mg/dL	**Microalbumin (ALB)**	20mg/L		

Technical Specifications of Urine Analyzer



Testing Principle	Photometric Colorimetry
Testing Wave Length	460nm, 550nm, 620nm
Testing Speed	1 minute for each test
Repeatability	Coefficient of variation CV ≤1%
Stability	During 8 hours of operation, Coefficient of variation CV ≤1%
Output Options	Built-in 57mm thermal printer
LCD Screen	5 inches
Record Storage	Stores up to 10000 sets of results.
External Ports	Type-c x1; USB x2
Charging Voltage	AC 100-240 V 50/60 Hz
Dimension	211mm*100mm*51mm(L*W*H)
Power Supply	Lithium battery pack: 3.7V 3000mAh 11.1Wh; Input: AC 100-240V 50/60Hz 0.5A; Output: DC 5V/3A
Weight	560g
Compatibility	LIS/HIS

Ordering Information

Cat.No.	Product	Specimen	Analytes	Pack
VIU031-11	Urinalysis Reagent Strips	Urine	11 Analytes： LEU/NIT/URO/PRO/pH/BLO/SG/KET/BIL/GLU/ASC	25T
VIU031-14	Urinalysis Reagent Strips	Urine	14 Analytes： LEU/URO/ALB/PRO/BIL/GLU/ASC/SG/KET/NIT/CRE/pH/BLO/CA	25T
VUR-500	Urine Analyzer	Urine	/	1 Unit

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