

# IDEXX **VetLab<sup>®</sup> UA<sup>™</sup>**

Urine Analyser



Unparalleled convenience  
in urine testing

**IDEXX**  
LABORATORIES

The IDEXX VetLab® UA™ Urine Analyser is simple to operate, improves workflow and produces consistent results.

## Ease of use

- Just dip the strip, place it in the analyser, press a button and walk away

## Efficiency

- Results are read and printed automatically, saving you time and reducing the chance for mistakes
- Professional-looking printouts offer you a talking tool to use with your clients as you explain the procedure, and increases your clients' confidence

## Consistency

- Standardised operation and automation give you consistent results; human error is all but eliminated!

Proteinuria is a relatively common finding during urinalysis and it is important to quantify this to assess its significance. The Urine Protein:Creatinine ratio (UPC) is recommended and this is available on the IDEXX VetTest® and Catalyst Dx®. The UPC is generally performed when the urine is "inactive" (no bacteria or cells present).

## Specifications

**Species:** canine, feline, equine

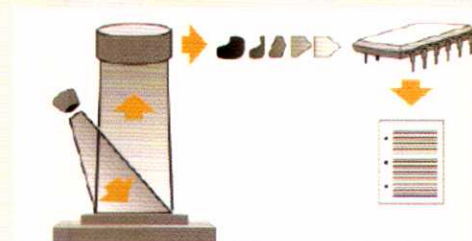
**Sample type:** urine

**Analysis time:** <70 seconds

### Parameters

- pH**
- LEU** (leukocytes)
- PRO** (protein)
- GLU** (glucose)
- KET** (ketones)
- UBG** (urobilinogen)
- BIL** (bilirubin)
- BLD/HGB** (blood/hemoglobin)

The analyser contains light-emitting diodes (LEDs) that emit light at various wavelengths. Reading is done electro-optically, as follows:



The LED emits light of a defined wavelength onto the surface of the test pad at an optimum angle. The light hitting the test zone is reflected more or less intensely depending on the colour produced on the test pad, and is picked up by the detector, a phototransistor positioned directly above the test zone. The phototransistor sends an analog electrical signal to an A/D converter, which changes it to digital form. The microprocessor then converts this digital reading to a relative reflectance value by referring it to a calibration standard.

Finally, the analyser compares the reflectance value with the defined range limits (reflectance values that are programmed into the analyser for each parameter) and outputs a semiquantitative result. Each test pad is read photometrically after a lead (incubation) time of about 55–65 seconds. The entire process from start to finish takes 70 seconds.



### IDEXX UA™ Strips

- Designed and validated for veterinary use only, so you don't need to wonder if your canine, feline or equine results are valid
- Can be used manually or with the analyser



### SOWAR PRIVATE LIMITED

CSC, C/9, Vasant Kunj, New Delhi-110070

Tel: +91-11-4176 7519-22

Fax: +91-11-2612 2809

E-mail: [sowar@sowarmedical.com](mailto:sowar@sowarmedical.com)

[www.sowarmedical.com](http://www.sowarmedical.com)

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