



**COBIO<sup>®</sup> S50**  
**Automated Urine Sediment Analyzer**  
**FOR VETERINARY**

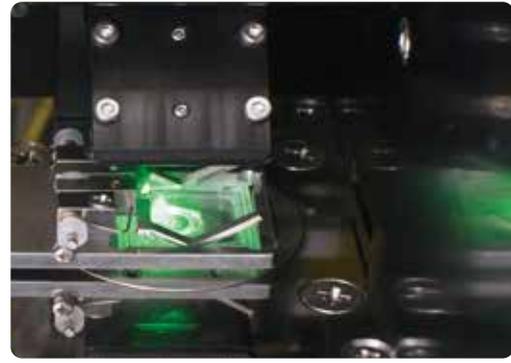


## Speedy & Small



- Small footprint: 460x420x610mm (LxDxH)
- Throughput: up to 50 samples/hour
- Only 2mL sample is required

## Technology Standard



- Big high-resolution touch screen makes operation extremely easy
- Whole view field images, similar to HPF images to routine manual microscopy
- One click and you get an expert's answer immediately online for questionable results

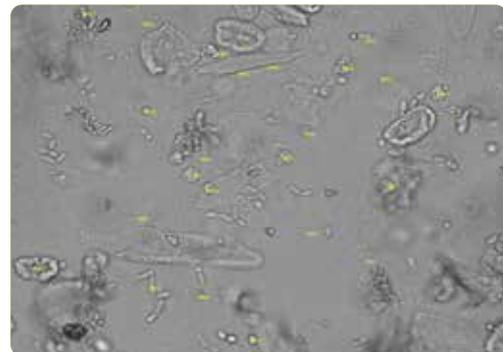


## Simple to Operate



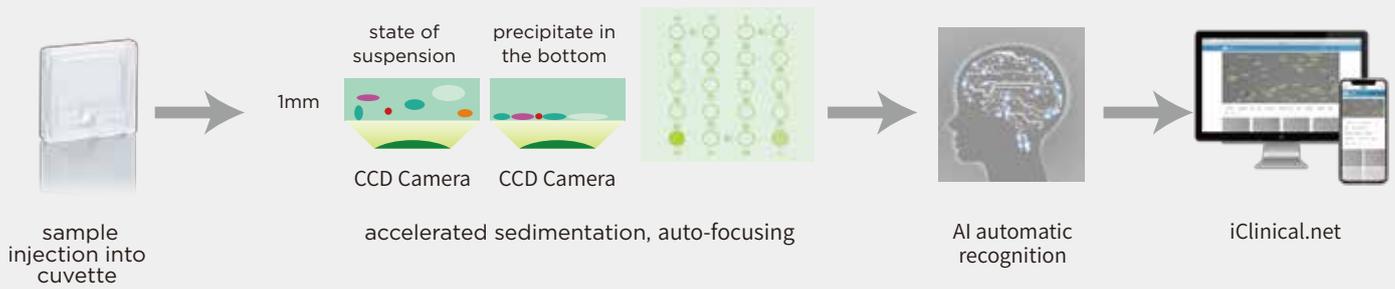
- Sample preparation fully automated
- One key start and fully automated measuring process
- Cuvettes are the only consumables needed
- No need of additional reagents
- Each test is processed in one cuvette means no carry over

## Smart System



- Latest AI technology processes sample identification, counting and classification automatically
- The computer automatically selects the highest quality image using autofocus
- Remote customer service and cloud platform via "www.iClinical.net"

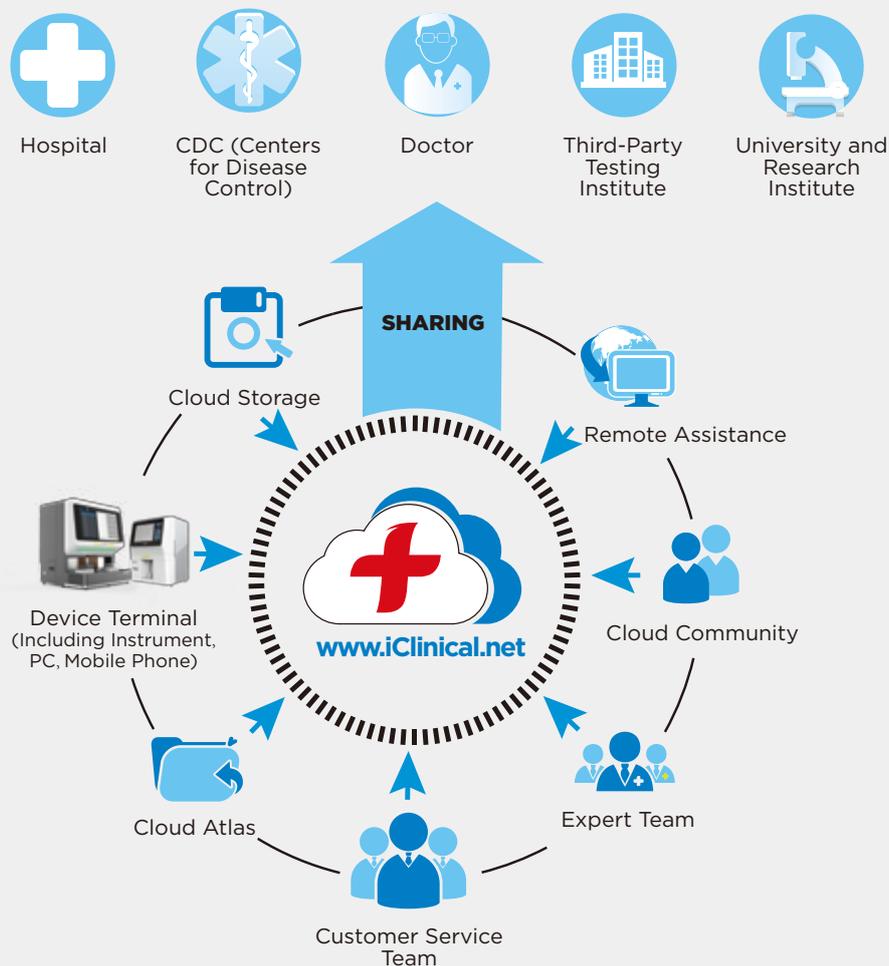
# MEASUREMENT PROCESS



The urine sample is injected into the cuvette by the aspiration needle from the test tube. The centrifugation process is performed at an acceleration level of 260G, creating a monolayer of particles at the bottom of the cuvette, to drive all the particles to the same level. Digital optical is used to record high resolution images of 10-20 positions, which are evaluated for various formed elements of the urinary sediment automatically by AI technology. With one-click, sample images with uncertainty can be uploaded to "iClinical.net" and get the experts answer immediately online.

# ICLINICAL — CLOUD SERVICE

In addition, to meet Traditional Medical Examination Standards, COBIO's intelligent instruments are accessible to be connected to its own cloud platform -- "iClinical.net". It is a professional and technical service platform that provides medical practitioners with online training, online help, online sharing and personal knowledge management, as well as access to historical data analysis and research.

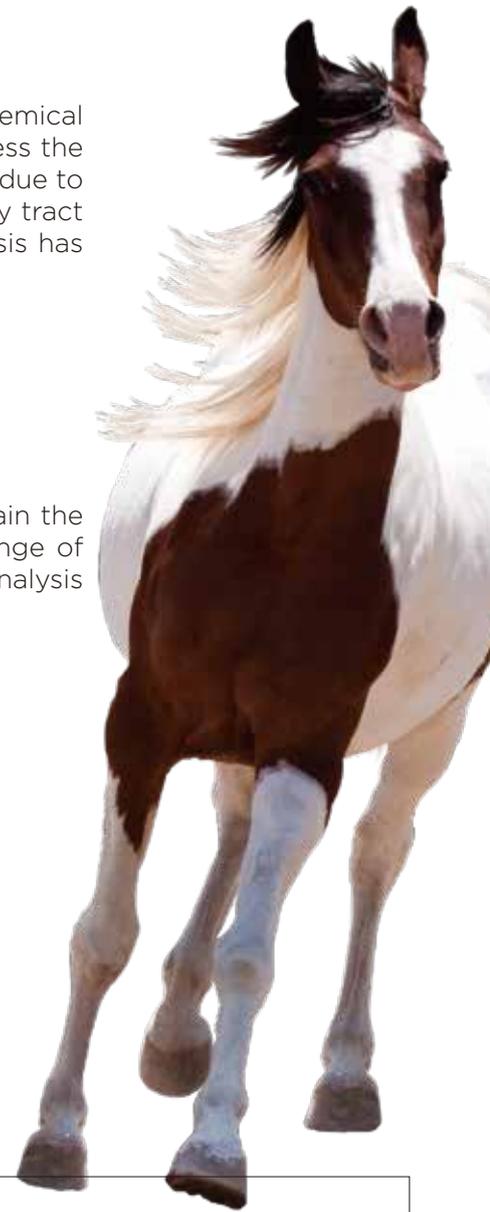


# IMPORTANCE OF PET URINALYSIS

Pets' urine contains waste and toxins that they excrete. Physical analysis, chemical analysis and formed elements examination of pets' urine can be used to assess the full range of possible toxins and waste. Common pets such as cats and dogs, due to the innate particularity of the body structure, are prone to suffer from urinary tract related diseases, which greatly endanger the health of pets. Pet urine analysis has provided the basis for the diagnosis of many pet diseases, including:

- Kidney disease
- Liver diseases
- Diabetes mellitus
- Anemia
- Inflammation

In addition, periodic physical examination is an important measure to maintain the health of pets, and early regular urine examination also provides a wide range of comprehensive health information for pets. Overall, a comprehensive urine analysis is significant to pets' health.



## TECHNICAL SPECIFICATIONS

	<b>COBIO®S50</b>
Technology	Whole view field microscopic high-definition images Centrifugal accelerated sedimentation AI (Artificial Intelligence) identification
Detected partical classes	≥11 items: RBC; WBC; HYA; PAT; EPI; NEC; BAC; YEA; CRY; CaOxm; CaOxd; URI; TRI; MUC; SPRM
Memory	max 25,000 results (including all images)
Min. sample volume	2.0mL
Throughput	50 samples/hour
Batch size	single sample tube
Cuvette container	50 pcs
User interface	13.3' LCD with touch screen
Size	460x420x610mm(LxDxH)
Weight	30kg
Power	110-240 VAC, 50/60 Hz, 200 VA

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