



Cornell University* PETRACKR® Validation Study - Summary

Cornell's professional comment: "Data analysis shows that PETRACKR® correlates well with the reference laboratory analyzer, meeting the American Society for Veterinary Clinical Pathology (ASVCP) guidelines for glucometer use in veterinary medicine. PETRACKR® correlates well with the reference laboratory analyzer for use in both the clinical and at home setting for dogs and cats".


95%[†]


**PETRACKR® accuracy
compared to Cobas c 501 HK**
Reference Device**

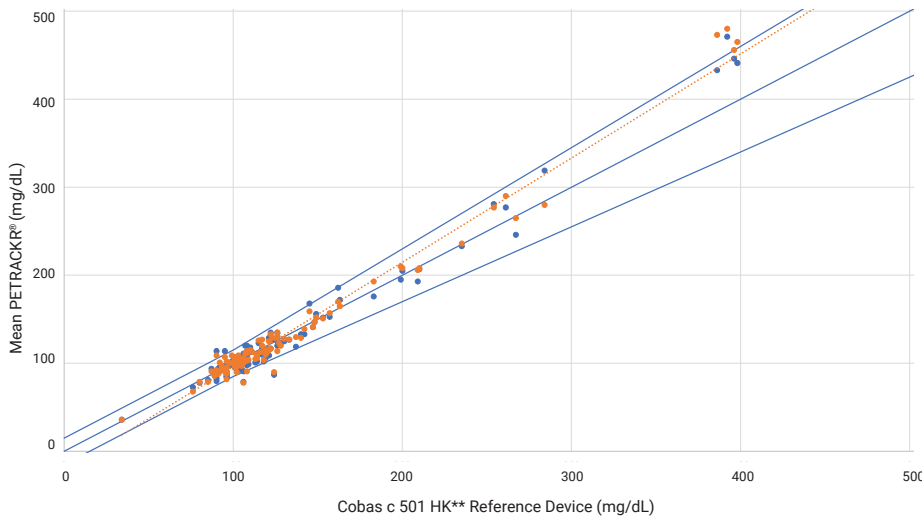


Figure 1: Combined Venous Sample Method Comparison

Table 1 - Regression statistics and standard deviation of replicates summary.

Number of patients: 110 (54 cats, 56 dogs)

Slope: 1.17

Y-Intercept: -20.95

Coefficient of determination (R²): 0.99

Accuracy: 95%
(to ISO15197:2013 human glucometer standard)[†]

**Number of samples in zone A of Parkes
consensus error grid:** 99.1%

Standard deviation of replicates: 4.19 mg/dL

[†] Samples within ±15 mg/dL or ±15%
accuracy of reference method

*Cornell is an Ivy League private university, and is engaged to help the quality of life in the United States and the world. **HK Hexokinase

The data shows that PETRACKR® correlates well to the Cobas reference device in this study (R²): A comparison of the PETRACKR® result with the reference analyzer is shown in Figure 1. Of the population tested 104 samples were found to fall within the ISO15197:2013 specifications for accuracy (95%). The system reproducibility was also calculated and is presented in Table 1 along with regression statistics for this method comparison.

The result distribution was also plotted on Parkes Consensus Error Grid to evaluate the risk of observed inaccuracies of the meter to the patient. For more information, scan the QR code leading to the full study publication.

**View the full study publication by
scanning the QR code or visiting
[www.universalbiosensors.com/
products/petrackr/petrackr-resources/](http://www.universalbiosensors.com/products/petrackr/petrackr-resources/)**



**PETRACKR®
validation
study here**

Final conclusions: The PETRACKR® Veterinary Blood Glucose Monitoring System provides results that are in accordance with the standards described in ISO15197:2013 for human glucometer products. The use of PETRACKR® to monitor blood glucose of cats and dogs for diabetes management is well supported in this study. PETRACKR® provides accurate results, and can be trusted to assist veterinarians and pet-parents to monitor diabetic cats and dogs.


PETRACKR® Features

Analyzer Advantages	PETRACKR®
No coding test strips – auto-calibrated	Y
Mid control solution optional	Y
In-range indicator	Y
Strip eject button	Y
Pet activity logging	Y
Color screen	Y
Time to results	5 seconds
Easy data download and sharing	Y
Bluetooth enabled	Y
Mobile Apps	Y (Extensive Features)
ISO15197:2013 Human Quality Standard	Y

PETRACKR® Features and Benefits

- 🐾 The PETRACKR® analyzer is **auto-calibrated** and utilizes specially designed no coding test strips. This means **no coding is required** when running a blood glucose test.
- 🐾 PETRACKR® **does not require a mid-control solution**, this is optional. When using the PETRACKR® analyzer to measure blood glucose, you can switch between cats and dogs, without any coding or control test.
- 🐾 When the PETRACKR® analyzer displays test results, the **range indicator** shows if the blood glucose is low, high, or in-range. The analyzer features a **color display** and **safety eject button**, so you can safely dispose of used test strips without risk of touching the blood sample.
- 🐾 The PETRACKR® analyzer and app work seamlessly together via Bluetooth, allowing you to **easily record and track your pet's blood glucose measurements** and log important factors such as insulin doses, meals and exercise.
- 🐾 The PETRACKR® app is designed to provide flawless and **simple reporting of your pet's results and factors** for sharing with your veterinarian.



Accurate
Compared to laboratory analyzers



Rapid results
Small sample size delivers a result within seconds



Safe to handle
Eject button for sample disposal



Easy to use
Analyzer and app data collection and management



No coding
Auto-calibrated for cats and dogs



Smart phone app
Customizable pet profiles



About Universal Biosensors: PETRACKR® was developed by Universal Biosensors. Universal Biosensors Inc (UBI) is a global biosensor company and a world leader in electrochemical cell technology. UBI's ambition is to utilize its patented biosensor technology to develop a diverse range of biosensor test strips used in our hand-held portable analyzers; for cost effective, effortless, and accurate detection of analytes of interest, within many industries including human health, animal health, environmental, and agriculture. UBI is a USA Delaware company listed on the Australian Securities Exchange (ASX:UBI) and operates from its head office, manufacturing facility, and research laboratory in Melbourne, Victoria, Australia.

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