UriBx

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Non-invasive, in-clinic cancer screening for dogs and cats



Pets can't say. UriBx can tell.

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For veterinary use

01

Summary

UriBx screened 720 dogs and cats with 98% sensitivity and 100% specificity against biopsy-confirmed diagnosis, from a urine sample, in 22 minutes.

UriBx is an in-clinic screening system for companion animals. A benchtop analyzer and single-use kits detect an epigenetic cancer biomarker in urine and report a Positive or Negative result. No blood draw, sedation or external laboratory is needed.

The system is a first-line screening tool. A positive result directs the patient to standard diagnostic workup; it does not identify tumour type or location.

98%	100%	720	22 min
Sensitivity	Specificity	Dogs and cats tested	Time to result

02

The clinical need

Cancer is a major cause of illness and death in older dogs and cats, yet most practices have no simple way to screen for it during a routine visit.

Today, suspicion usually starts with clinical signs. Confirming it needs imaging, cytology or histopathology. These steps are invasive, often require sedation, and are typically sent to external laboratories.

A screening test that runs on a urine sample, in the clinic, during the same appointment, fills that gap. It gives the veterinarian an objective first signal to decide which patients need further investigation.

03

Biological basis

UriBx reads an epigenetic biomarker: a chemical change to DNA that is altered in cancer and excreted in urine.

- **Epigenetics in cancer.** Tumours change the chemical marks that control how DNA is read, without changing the DNA sequence itself. Epigenetic reprogramming is recognised as a core hallmark of cancer.
- **Urine as a sample.** Products of DNA turnover pass from the blood into urine. Urine can be collected without needles or sedation.
- **A pan-cancer signal.** The biomarker reflects a change common to many tumours, so the test does not need the tumour type to be known in advance.

04

How UriBx works

Three technologies turn a urine sample into a result on the bench, with no external laboratory.

- **One-X polymer.** A proprietary polymer selectively captures the biomarker directly from the urine sample. No centrifuge and no cold chain are needed.
- **Optical read.** The URB-1000 analyzer measures the captured signal optically in a temperature-controlled chamber.
- **AI software.** On-device AI software interprets the signal and returns a Positive or Negative screening result. When connected, the device shares test statistics that are used to refine the AI model; refined models reach devices as signed over-the-air updates.

In the clinic, a test follows four steps:

01	Collect a fresh urine sample from the dog or cat.
02	Prepare it with the UriBx test kit.
03	Load it into the analyzer, which runs the measurement automatically.
04	Read the Positive or Negative result on the device screen after 22 minutes.

One analyzer screens both dogs and cats. Test kits come in packs of 50 or 75 tests.

05

Clinical validation

In an independent study of 720 animals, UriBx flagged 98% of biopsy-confirmed cancers and returned no false positives among 240 healthy controls.

The study ran at an independent veterinary clinic under the approval and oversight of the Clinical Research Ethics Committee, Ege University Faculty of Veterinary Medicine. It was completed in July 2026. Every cancer case was confirmed by biopsy and histopathology, the reference standard.

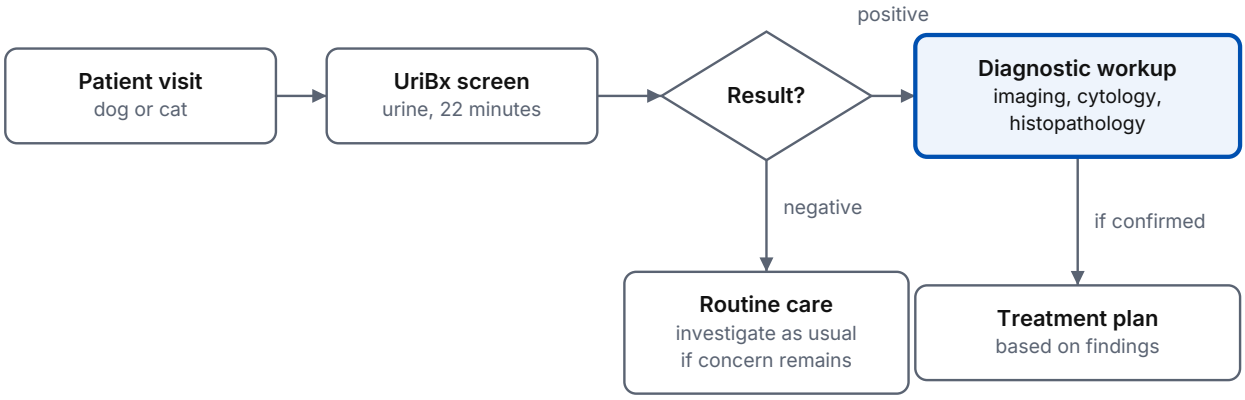
MEASURE	RESULT
Animals tested	**720 (540 dogs, 180 cats)**
Biopsy-confirmed cancer cases	**480**
Healthy controls	**240**
Sensitivity	**98%**
Specificity	**100% (0 false positives in 240)**
Time to result	**22 minutes**

The study compared confirmed cancer cases with healthy animals. In everyday practice, the share of positive results that are true cancers depends on how common cancer is in the screened population. It is highest in older and higher-risk patients.

06

Testing algorithm

A positive UriBx result starts a standard diagnostic workup; a negative result returns the patient to routine care.



Treatment decisions rest on the workup findings, never on the screening result alone.

07

Intended use and limitations

UriBx is a screening aid for veterinary use, run by veterinary professionals on dogs and cats.

- It gives a binary Positive or Negative result. It is not a diagnosis.
- It does not identify the tumour type, location or stage.
- A positive result must be confirmed by standard diagnostic workup before any treatment decision.
- A negative result does not rule out cancer. Patients with ongoing clinical concern should be investigated as usual.
- Results are interpreted by the veterinarian together with history, examination and other findings.

08

Frequently asked questions

For veterinarians

What does UriBx detect?
An epigenetic biomarker in urine that is associated with cancer. The result is Positive or Negative.

Is it a diagnostic test?
No. It is a first-line screen. A positive result is confirmed with standard diagnostics such as imaging, cytology or histopathology.

Which animals can be tested?
Dogs and cats, on the same analyzer.

What sample is needed?
A fresh urine sample. No blood draw and no sedation.

How long does it take?
22 minutes from loading the sample to the result on screen.

Do we need a laboratory or specialist staff?
No. The test runs on the bench in your clinic. A guided touchscreen walks your team through each step.

How accurate is it?
In a 720-animal study, sensitivity was 98% and specificity 100%, against biopsy-confirmed diagnosis.

Does it tell me where the tumour is?
No. It does not identify tumour type, location or stage.

What should I do after a negative result?
Continue routine care. If clinical concern remains, investigate as usual.

For distributors

What does a clinic need to run UriBx?
One URB-1000 analyzer and UriBx test kits in packs of 50 or 75 tests.

Does the product need a cold chain?
No. Kits ship by standard logistics without refrigeration.

How is the device kept up to date?
Through secure, signed over-the-air updates when connected.

How do we become a distribution partner?
Write to partner@uribx.com with your company and the territory you cover.

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