

RapidBac™ Vet

TEST FOR BACTERIA IN URINE

RapidBac™ Vet is a rapid immunoassay for the detection of Gram-positive and Gram-negative bacteria in urine.











For Veterinary Use Only

SENSITIVITY AND SPECIFICITY

RapidBac™ Vet has been validated in clinical studies for both dogs and cats, comparing RapidBac™ Vet results with gold-standard urine culture results.

	Sensitivity	Specificity	Overall Accuracy	Reproducibility
RapidBac™ Vet for Canine*	97.4%	98.8%	98.5%	100%
RapidBac™ Vet for Feline**	90.9%	96.6%	96.0%	100%

Symbol Descriptions

 Caution	 Date of manufacture
 Use By Date	 Temp limitations
 Batch code (lot)	 Instructions for use
 Manufacturer	 In vitro diagnostic
 Do not reuse	 Catalog number

Technical support

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U.S. Patent No. 9,052,314, other patents pending.

 Cat. No. RB728

 Store tests at room temperature
(10-30°C/ 50-86°F)

* Results of a clinical evaluation of RapidBac™ Vet on canine urine samples (N=200) performed at the College of Veterinary Medicine, NC State University, (Jacob ME et al, "Diagnostic Accuracy of a Rapid Immunoassay for Point-of-Care Detection of Canine Urinary Tract Infection" **Am J Vet Res** 77:162 (2016))

** Results of a clinical evaluation of RapidBac™ Vet on feline urine samples (N=100) performed at College of Veterinary Medicine, The Ohio State University, (Daniels J, N Martin, J K Byron, "Evaluation of a Rapid Immunoassay for Point-of-Care Detection of Bacteria in Cat Urine", **J Vet Int Med**, 2017, 31(4):1D15.)

HOW TO TEST

 **Read all instructions before use**

 **Precautions and Warnings**

- Do not open foil pouch prior to use
- Do not reuse volumetric pipettes, test strips or vials
- Assay buffer is sufficient for 10 tests

 **Storage**

- Store at room temperature (10-30°C/ 50-86°F)
- Do not use after expiration date on packaging

Kit Components

- Ten foil pouches containing one RapidBac™ Vet test strip, one test vial, and two volumetric pipettes each.
- One bottle of Assay Buffer (for 10 tests).

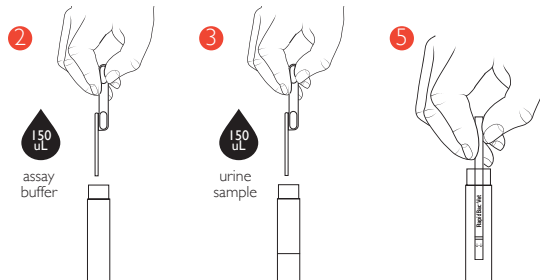
Urine Collection

- Cystocentesis • Catheter • Clean catch

Using a Volumetric Pipette

Press firmly on the TOP bulb with the tip in the air; then place the pipette tip below the liquid level. Release the bulb slowly to fill cylindrical portion of the pipette. Make sure the entire cylinder is filled with liquid. Transfer the liquid to the assay vial by pressing firmly on the TOP bulb.

STEP BY STEP



- 1 Open foil pouch and remove contents.
- 2 Using one pipette, add one pipette full of Assay Buffer to test vial. Make sure all liquid is at the bottom of the test vial by tapping the vial gently on a flat surface. Wait 2 minutes, swirling test vial occasionally.
- 3 Using the second, clean pipette, add one pipette full of urine sample to the test vial. Swirl to mix.
- 4 Wait 5 minutes.
- 5 Place test strip in test vial with arrows pointing down.
- 6 Wait 10 minutes.
- 7 Remove test strip from vial and read results.

INTERPRETING RESULTS

Positive Results: Any color development at **Line 1** or **Line 2** indicates the presence of bacteria.

Faint lines are valid results.



Negative Result: Only **Control Line** develops color – no bacteria detected



Invalid Result: If **Control Line** does not develop color, the result is invalid – repeat test.



Interpretation: If both **Line 1** and **Line 2** are present, a **Gram-negative** organism has been detected. **Gram-negative** bacterial species known to give this result include: *E. coli*, *Klebsiella spp*, *Citrobacter spp*, *Enterobacter spp*, and *Serratia spp*.

If **Line 2** is present and **Line 1** is absent, the detected organism may be **Gram-positive** or **Gram-negative**. Bacterial species known to give this result include: *Proteus spp*, *Morganella spp*, *Providencia spp*, *Staphylococcus spp*, *Enterococcus spp*, *Actinomyces spp*, and *Actinobaculum spp*.