




# 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.

## TEST PROCEDURE

-  **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

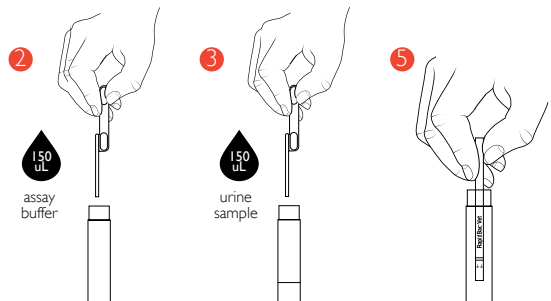
- Ten foil pouches containing one RapidBac™ Vet test strip, one test vial, and two volumetric pipettes each.
- One bottle of Assay Buffer (for 10 tests).

### 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.

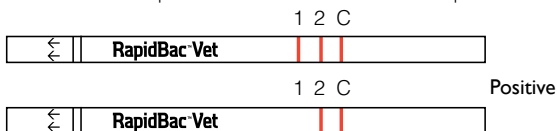


- 1 Open foil pouch and remove contents.
- 2 Using one pipette, add one pipette full of Assay Buffer to test vial. Make sure all liquid is at the bottom of the test vial by tapping the vial gently on a flat surface. Wait 2 minutes, swirling test vial occasionally.
- 3 Using the second, clean pipette, 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

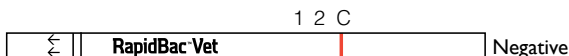
### Positive Result:

- Any color development at **Line 1** or **Line 2** indicates the presence of bacteria in the sample.



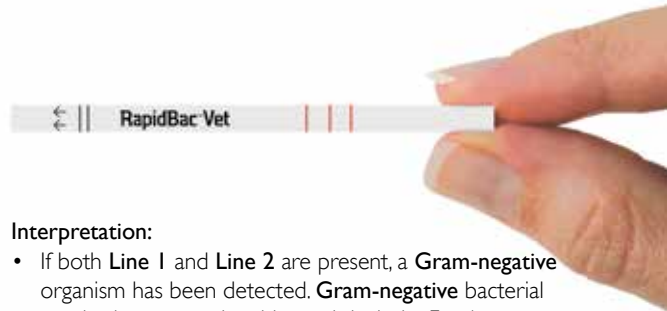
### Negative Result:

- 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.*

## SENSITIVITY AND SPECIFICITY

In a clinical trial carried out at North Carolina State University, the performance of the RapidBac™ Vet test was compared to urine culture on 200 canine urine specimens.

Comparison Test:	Samples - RapidBac™ Vet / Culture Results				
	+/+	-/+	+/-	-/-	Total
Urine Culture	37	1	2	160	200

Sensitivity	Specificity	Overall Accuracy	Reproducibility
97.4%	98.8%	98.5%	100%

Reference: Jacob ME et al. Diagnostic accuracy of a rapid immunoassay for point-of-care detection of canine urinary tract infection. *Am J Vet Res.* In press. 2015.

### 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

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

### For Veterinary Use Only

📖 **Read all instructions before beginning test**

📄 Cat. No. RB728

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