



# TOP REASONS TO USE J-VAC® ON YOUR DAIRY

1

## FLEXIBILITY.

J-VAC is approved for a whole-herd protocol and can be used for lactating cows, dry cows or heifers.

PROTOCOL	J-VAC FIRST DOSE	J-VAC BOOSTER
Whole Herd	Any stage of lactation	2–4 weeks after first dose
Dry Cow	Dry-off	1–3 weeks before calving
Heifer	60 days before calving	1–3 weeks before calving

2

## BROAD SPECTRUM.

The vaccine protects against coliform mastitis caused by *E. coli* and endotoxemia caused by *E. coli* and *Salmonella* Typhimurium.

3

## EFFICACY.

Two doses of J-VAC can reduce the incidence of clinical coliform mastitis cases by 81%.\*

4

## TANDEM™ ADJUVANT.

The unique adjuvant in J-VAC keeps antigens in suspension, releases them over time, and stimulates enhanced immunity.

5

## FLEXIBLE ROUTE OF ADMINISTRATION.

J-VAC is labeled for flexible administration, with intramuscular and subcutaneous injection-route options.



\*Data on file at Boehringer Ingelheim.

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# TRIAL RESULTS SHOW J-VAC® REDUCES COLIFORM MASTITIS

## METHODOLOGY:

- The efficacy of J-VAC was researched in four well-managed Holstein dairy herds, with a total of 733 cows and heifers in the trial.
- 374 head were in the J-VAC group, and 359 head were in the unvaccinated control group.
- All cattle vaccinated with J-VAC received two doses according to label instructions.

## RESULTS:

Cattle vaccinated with J-VAC showed an 81% reduction in the incidence of clinical coliform mastitis ( $P < 0.001$ ).

### CLINICAL COLIFORM MASTITIS

- Unvaccinated controls – 20 cases
- J-VAC group – 4 cases



UNVACCINATED  
CONTROLS



J-VAC  
GROUP

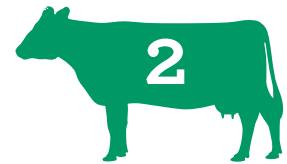
### E. COLI CLINICAL COLIFORM MASTITIS

(subset of data for the *E. coli* pathogen)

- Unvaccinated controls – 10 cases
- J-VAC group – 2 cases



UNVACCINATED  
CONTROLS



J-VAC  
GROUP

## SEE HOW J-VAC STACKS UP AGAINST THE REST

	J-VAC	ENVIRACOR™ J-5	ENDOVAC-DAIRY®	BOVILIS® J-5
VACCINE TYPE	Bacterin-Toxoid	Bacterin	Bacterin-Toxoid	Bacterin
SPECTRUM	<i>E. coli</i> bacteria <i>E. coli</i> toxin <i>S. Typhimurium</i> toxin	<i>E. coli</i> bacteria	<i>S. Typhimurium</i> bacteria <i>S. Typhimurium</i> toxin <i>Pasteurella multocida</i> toxin <i>Pasteurella haemolytica</i> toxin	<i>E. coli</i> bacteria
WHOLE-HERD VACCINATION	Approved	Not approved	Not approved	Not approved
DOSE SIZE	2 mL	5 mL	2 mL	5 mL
DOSAGE	2 doses	3 doses	2 doses with annual revaccination	3 doses
ADJUVANT	TANDEM™ polymer-based	Oil-based	Oil-based and Immune Plus®	Oil-based
ADMINISTRATION	IM or SC	SC	IM	SC
MILK WITHHOLDING	None	None	None	None
MEAT WITHDRAWAL	21 days	60 days	21 days	60 days
BOTTLE SIZES	125 doses (250 mL) 50 doses (100 mL) 10 doses (20 mL)	50 doses (250 mL) 20 doses (100 mL)	100 doses (200 mL) 50 doses (100 mL) 20 doses (40 mL)	50 doses (250 mL)