

These cats share a close and loving home. But could they also be sharing *Bordetella*?



***Bordetella*, a primary pathogen in feline respiratory disease, is more likely to infect cats in multi-cat households.¹**

- *Bordetella bronchiseptica* can cause fatal bronchopneumonia in kittens²
- Seroprevalence rates for *Bordetella* range from 24% to 79%¹
- Infected cats can shed the organism for 19 weeks or more³

Other risk factors include:

- Introduction of new cats
- Stress
- Cross-infection from dogs
- Shelter or cattery environments

Nobivac[®]:Feline-Bb



Nobivac® Feline-Bb

There's only one feline *Bordetella* vaccine.

Formerly known as Protex®-Bb, Nobivac Feline-Bb is specifically formulated by Merck Animal Health for use in cats⁴

- Quick, easy, and painless intranasal administration
 - A single, small volume (0.2 mL) dose in one nostril
 - Stimulates rapid, local immunity in the respiratory tract
- Proven protection
 - Over 92% effective with one dose at 4 weeks of age⁵
 - Onset of immunity within 72 hours after vaccination of 8-week-old kittens⁵
- Excellent safety
 - Non-adjuvanted
 - Greater than 98% reaction-free in cats from 4 weeks to 16 years of age⁵
 - Safe for pregnant queens

**EASY,
protective,
and safe**

Recommended vaccination protocol for cats at risk for *B. bronchiseptica* infection in general practice¹

Primary series: Kitten/adult	Administer a single dose intranasally as early as 4 weeks of age.
Booster	Annual booster is recommended for cats with sustained risk.
Shelters	Administer a single dose intranasally upon admission if there is a specific risk of acquiring infection.

References:

1. Richards JR, Elston TH, Ford RB, et al. The 2006 American Association of Feline Practitioners Feline Vaccine Advisory Panel report. *J Am Vet Med Assoc.* 2006;229(9):1405–1441.
2. Willoughby K, Dawson S, Jones RC, et al. Isolation of *B. bronchiseptica* from kittens with pneumonia in breeding cattery. *Vet Rec.* 1991;129(18):407–408.
3. Coutts AJ, Dawson S, Binns S, Hart CA, Gaskell CJ, Gaskell RM. Studies on natural transmission of *Bordetella bronchiseptica* in cats. *Vet Microbiol.* 1996;48(1–2):19–27.
4. Chalmers WSK, Jacobs AAC, inventors; Azko Nobel NV, assignee. Respiratory disease vaccine for cats. US patent 5,595,744. January 21, 1997.
5. Data on file, Merck Animal Health.

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