

DAIRY WELLNESS QUICK TIPS



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Your troubles could add up to *Salmonella*

It starts as a bad string of events. Pregnancy checks don't meet goals, milk production drops or a new ration shows no response in the bulk tank. You could call it a bad week, assume something was wrong with the feed or blame the weather. But, a U.S. Department of Agriculture study showed, farms are increasingly at risk for *Salmonella*.¹

"It could be the single factor preventing your cows from reaching their potential," cautioned Gary Neubauer, DVM, Zoetis.

Subclinical *Salmonella* symptoms include reduced milk yield, poor reproductive performance, abortions, weight loss and poor feed efficiency. The majority of *Salmonella* cases are subclinical, with clinical cases representing just the tip of the iceberg. Even if the subclinical indicators are only represented in a fraction of your herd today, tomorrow could bring the devastating clinical signs of fever, diarrhea and even death associated with *Salmonella* infections.

Salmonella has probably had ample opportunity to infiltrate your herd. Pests, vehicles and people all can carry the bacteria with them from another location. Cleanliness and biosecurity can help prevent *Salmonella* from sticking around. But vaccinating the entire herd at dry off with SALMONELLA NEWPORT BACTERIAL EXTRACT VACCINE* with SRP® technology may help minimize symptoms and prevent future outbreaks of *Salmonella* Newport.

If *Salmonella* enters your herd, cattle with subclinical disease can shed the bacteria through manure and/or milk. The disease most commonly spreads through oral ingestion of infected fecal matter. Some subclinical carriers will be symptom-free, and others won't shed *Salmonella* but still can be latent carriers.

"In addition to the symptoms in cows, young calves are particularly susceptible to *Salmonella*. Calves can develop scours, severe blood infections, fever, pneumonia, arthritis and sudden death as result of an infection," Dr. Neubauer said.

With more than 2,500 serotypes of the bacteria, *Salmonella* can appear on your farm in many different ways. Your veterinarian can perform a simple test of manure or the milk line to see if your herd is affected today. In addition to cleaning equipment and putting biosecurity procedures in place, using a whole-herd vaccination can help limit shedding of the bacteria and help prevent future outbreaks. Some cattle can shed *Salmonella* in their manure for more than a year.² The pathogen can survive in water or on equipment for long periods of time, as well.

Visit SalmonellaRisk.com today to explore your farm's specific risk factors. Then talk with your veterinarian about sanitation and vaccination procedures to help prevent *Salmonella* from becoming an everyday problem in your herd.

About Zoetis

[Zoetis](#) (zō-EH-tis) is the leading animal health company, dedicated to supporting its customers and their businesses. Building on a 60-year history as the animal health business of Pfizer, Zoetis discovers, develops, manufactures and markets veterinary vaccines and medicines, complemented by diagnostic products and genetic tests and supported by a range of services. In 2012, the company generated annual revenues of \$4.3 billion. With approximately 9,300 employees worldwide at the beginning of 2013, Zoetis has a local presence in approximately 70 countries, including 29 manufacturing facilities in 11 countries. Its products serve veterinarians, livestock producers and people who raise and care for farm and companion animals in 120 countries. For more information on the company, visit www.zoetisUS.com.

Zoetis is the proud sponsor with the Smithsonian Institution Traveling Exhibitions and the American Veterinary Medical Association of the mobile educational exhibit *Animal Connections: Our Journey Together*. Families visiting the exhibit will explore the vast bonds between people and animals and learn about the important role veterinarians play in protecting animal and human health. For more information, visit <http://www.zoetis.com/animal-connections-tour/>.

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¹ National Animal Health Monitoring System. *Salmonella* and *Campylobacter* on U.S. Dairy Operations, 1996 – 2007. APHIS Info Sheet, July 2009, #562.0709.

² McGuirk SM. Dealing with *Salmonella* and *Clostridium* Problems on our Dairies. Available at: http://www.vetmed.wisc.edu/dms/fapm/fapmtools/7health/salmonella_clostridium_problems.pdf. Accessed on August 6, 2013.

*This product license is conditional. Efficacy and potency test studies are in progress.

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