

KNOW THE FACTS ABOUT SCOURS PROTECTION



10 MAJOR REASONS TO TRUST SCOURGUARD® FOR CALF HEALTH

FACT 1

Zoetis is the market leader in calf scours vaccine manufacturing and sales.¹

FACT 2

SCOURGUARD® success is based on a history of product innovation.

- Innovations include the addition of *Clostridium perfringens* type C, as well as the distinction of being the first and only scours vaccine that includes both rotavirus types G6 and G10.

FACT 3

Broad-spectrum, USDA-approved protection claims

- SCOURGUARD has demonstrated protection against important scours pathogens, including rotavirus serotypes G6² and G10,³ coronavirus,⁴ and *E. coli*⁵ in the face of severe challenges.

FACT 4

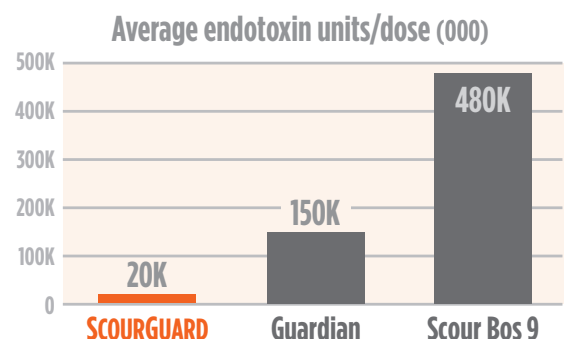
Protect your calves from rotavirus.

- Rotavirus is a leading cause of calf scours and is prevalent in approximately 80% to 90% of adult cattle.⁶
- SCOURGUARD is the ONLY scours vaccine demonstrated and USDA-licensed to help protect against both rotavirus serotypes G6 and G10.
- Up to 30% of rotavirus scours cases are caused by rotavirus serotype G10.⁷

FACT 5

Less endotoxin

- Endotoxin in vaccines may cause fever, listlessness, low white blood cell count, abortion, or shock.⁸
- SCOURGUARD has the lowest endotoxin content per dose of all leading scours vaccines: at least 7-times less than Guardian® and 20-times less than Scour Bos® 9.⁹



FACT **6**

SCOURGUARD has a vaccination protocol that best coincides with the development of colostral antibodies.

- Antibody secretion begins at 5 weeks precalving and peaks within 2 weeks precalving.¹⁰ Administer 2 IM doses approximately 3 weeks apart to pregnant cows, with the second dose given 3 to 6 weeks before calving.



FACT **7**

SCOURGUARD has demonstrated passive immunity with high titers in very young calves.

FACT **8**

SCOURGUARD has the shortest withdrawal time on the market.

- SCOURGUARD has a 21-day withdrawal period, almost 3-times less than either Scour Bos 9 or Guardian.

FACT **9**

Unlike other scours vaccines, SCOURGUARD does *NOT* have an injection site warning on its label.

- *Scour Bos 9* — WARNING: THIS PRODUCT MAY CAUSE PERSISTENT SWELLING AT THE SITE OF INJECTION.
- *Guardian* — Transient local reaction may occur at the injection site.

FACT **10**

The bottom line — Scours is the number-one calf killer.¹¹ Producers and veterinarians prefer SCOURGUARD more than all of the other leading scours vaccines combined.¹

NO OTHER SCOURS VACCINE CAN MATCH SCOURGUARD — COMPARE THE FACTS AND SEE THE DIFFERENCE

Vaccine features	SCOURGUARD	Guardian®	Scour Bos® 9
Scour vaccine manufacturing experience	39+ years	13+ years	19+ years
Overlap in heifer & cow vaccination protocol	3 weeks (21-42 days prior to calving)	1 week (42-49 days prior to calving)	No overlap
Injection site caution statement	N/A	Transient local reaction may occur at the injection site.	WARNING: MAY CAUSE PERSISTENT SWELLING AT THE SITE OF INJECTION.
Average endotoxin units/dose ⁹	40,000	300,000	966,000
Withdrawal time	21 days	60 days	60 days

ScourGuard® — BROAD PROTECTION, SAFETY, CONVENIENCE, AND FLEXIBILITY.

1. Animalyx Market Share Report, MAT September 2019. Accessed October 2019.

2. Data on file, Study Report No. 2134H-60-02-010, Zoetis LLC.

3. Data on file, Study Report No. 3131R-60-03-289, Zoetis LLC.

4. Data on file, Study Report No. 2134H-60-02-002, Zoetis LLC.

5. Data on file, Study Report No. 3131R-60-04-361, Zoetis LLC.

6. Ward HW, Powell J. Livestock Health Series: Calf Scours. University of Arkansas Cooperative Extension Service, 2017. FSA3083-PD-9-2017RV.

7. Chang KO, Parwani AV, Saif LJ. The characterization of VP7 (G type) and VP4 (P type) genes of bovine

group A rotaviruses from field samples using RT-PCR and RFLP analysis. *Arch Virol* 1996; 141:1727-1739.

8. Tizard IR. *Veterinary Immunology*. 10th ed. Elsevier. 2017.

9. Data on file, Additional Study Report No. 0709-13, Zoetis LLC (study conducted with SCOURGUARD 3K).

10. LeBlanc MM. Passive transfer of immunity in calves. In: *Current Therapy in Theriogenology*. 2nd ed. Morrow DA, ed. Saunders. 1986.

11. USDA. Dairy 2014, Health and Management Practices on U.S. Dairy Operations, 2014 (pg 35). USDA-APHIS-VS-CEAH-NAHMS. February 2018, #696.0218.

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