

Orbenin-DC™

(cloxacillin benzathine intramammary infusion)

SHORTEST REQUIRED DRY PERIOD WITH ZERO MILK WITHHOLD POST-CALVING.

ORBENIN-DC™ (cloxacillin benzathine intramammary infusion) delivers targeted treatment of Gram-positive bacteria with the shortest required dry period and no milk withhold. With only a 28-day dry period, fresh cows can move into the milking string faster.

Trusted for more than four decades, ORBENIN-DC targets the most common type of subclinical mastitis.

More than 94% of cows with subclinical mastitis at dry-off are infected with Gram-positive bacteria (environmental staphs and streps).^{1,2}

94% of all subclinical mastitis infections are Gram-positive.

Gram-negative infections such as *E. coli* usually self-cure during lactation, making ORBENIN-DC an ideal choice at dry-off.

As effective as leading competitors.^{1,2,3}

A non-inferiority study confirmed the efficacy of ORBENIN-DC vs. SPECTRAMAST® DC (ceftiofur hydrochloride) Sterile Suspension. There was no difference between products based on clinical mastitis, somatic cell count, reproductive performance, milk production and cow removal in the next lactation.^{4,5}

Short tip for fewer intramammary infections.

Compared to full insertion, partial insertion has been shown to reduce new infection risk by 50%.⁶

¹ Johnson AP, et al. Randomized noninferiority study evaluating the efficacy of 2 commercial dry cow mastitis formulations. *J Dairy Sci.* 2016;99:593-607.

² Aruda AG, et al. Randomized noninferiority clinical trial evaluating 3 commercial dry cow mastitis preparations, Part 1. *J Dairy Sci.* 2013;96:4419-4435.

³ Aruda AG, et al. Randomized noninferiority clinical trial evaluating 3 commercial dry cow mastitis preparations, Part 2. *J Dairy Sci.* 2013;96:6390-6399.

⁴ Cox E, et al. Cow-level responses to two commercial dry cow mastitis preparations. *J Dairy Sci.* 2017;100:216 (Suppl.2).

⁵ Cow Level Performance of ORBENIN-DC vs. SPECTRAMAST DC in Two Commercial Dairies, Merck Animal Health technical bulletin, 2018.

⁶ Nickerson, SC. Resistance mechanisms of the bovine udder: new implications for mastitis control at the teat end. *J Am Vet Med Assoc.* 1987;191(11):1484-1488.

ORBENIN-DC: For use in dry cows only. Do not use within four weeks (28 days) of calving. Treated animals must not be slaughtered for food purposes within 4 weeks (28 days) of treatment. For additional information, see the product label.

BOVILIS J-5: This product contains oil adjuvant. In the event of accidental self-injection, seek medical attention immediately. For additional information, see the product label.

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Dry period protection now for a productive future.

The dry period is an important time to minimize mastitis risk and to vaccinate cows to protect their calves from scours. Along with ORBENIN-DC, help protect your herd with the use of:

- **SHUTOUT™** – an internal teat sealant that functions as a physical barrier to help prevent bacterial invasion of the teat canal.
- **BOVILIS® J-5** – a Gram-negative core-antigen vaccine that aids in the reduction of mastitis due to *E. coli*.
- **GUARDIAN®** – the most complete scours vaccine with the broadest spectrum of protection against the four major bacterial and viral pathogens associated with scours in pre-weaned calves.

DOSAGE & ADMINISTRATION

- Each 10-mL tube contains 500 mg of cloxacillin.
- Infuse one tube of ORBENIN-DC, warmed to room temperature, into each quarter.
- For complete directions and dosing regimen, refer to the package insert.

PRESENTATION

- Available in 12-syringe boxes.

For more information, talk to your veterinarian or visit OrbeninDC.com.

MADE IN THE USA

MAHCattle.com • 800-521-5767

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