



BOVIKALC® DRY BOLUSES HAVE BEEN SHOWN TO INCREASE COW COMFORT AT DRY-OFF AND REDUCE RISK OF CLINICAL MASTITIS^{1,2}

Advances in genetics for milk production and better overall fertility have led to cows being dried off at higher milk production levels than ever. Though this comes with various benefits, many cows are still producing high volumes of milk at dry-off, which can have negative impacts on cow health and welfare during the dry period.

Thankfully, novel technology has been developed to help decrease discomfort at dry-off. Bovikal[®] Dry boluses reduce milk production at dry-off for a more comfortable experience without any additional management changes.

THE STUDY

IN A RECENT STUDY, RESEARCHERS LOOKED AT THE EFFECTS OF BOVIKALC® DRY BOLUSES.

901

THREE HERDS, WITH A TOTAL OF 901 COWS ENROLLED¹

443 cows received BOVIKALC Dry boluses at dry-off

458 cows did not receive BOVIKALC Dry boluses at dry-off

ALL cows received dry cow therapy

- Intramammary antibiotic and internal teat sealant



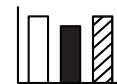
At dry-off and freshening, milk samples were taken for culture, and monthly **somatic cell counts** (reported as linear scores), **clinical mastitis events**, **milk production**, and **culling** were recorded through 300 days in milk (DIM).¹

64

IN A SUBSET OF THESE HERDS, 64 COWS HAD ACTIVITY MONITORS²

30 cows received BOVIKALC Dry boluses

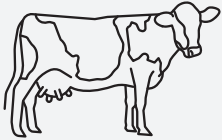
34 cows did not receive BOVIKALC Dry boluses



Total daily activity and total daily rumination were monitored via ear-mounted activity monitors, **from seven days before through 14 days after dry-off.**

KEY FINDINGS

COWS THAT WERE GIVEN BOVIKALC® DRY BOLUSES HAD:



Reduced somatic cell counts¹

On the first two monthly tests after calving, cows given BOVIKALC Dry had **lower SCC linear scores** ($P = 0.04$, $P = 0.02$)

Reduced risk of clinical mastitis and removal from the herd¹

	By 90 DIM	By 300 DIM
Risk for clinical mastitis	22% lower	25% lower
Risk for removal from herd	30% lower	18% lower

$P < 0.001$ for all values

DIM: Days in Milk



Increased comfort and lying time²

Cows that were given BOVIKALC Dry boluses were less active during the week after dry-off, with the greatest difference between groups being **the day after dry-off, at 33 minutes more lying time** compared to untreated cows.



Limited changes in rumination²

The day after BOVIKALC Dry boluses were given, there was a 10% drop in rumination, which **returned to normal within 24 hours.**

KEY TAKEAWAY

BOVIKALC Dry supplements have been shown to maintain cow comfort and udder health, as well as to reduce the risk of clinical mastitis and culling in the next lactation.^{1,2}



To learn more about BOVIKALC Dry boluses, visit [BOVIKALCDRY.COM](https://www.bovikalcdry.com)

¹ Florentino CC, Pena-Mosca F, Ruch M, et al. Randomized clinical trial evaluating the effects of administering acidogenic boluses at dry-off on udder health, milk yield, and herd removal. *J Dairy Sci* 2024; DOI: 10.3168/jds.2023-23757.

² Florentino CC, Shepley E, Ruch M, et al. A randomized clinical trial evaluating the effects of administration of acidogenic boluses at dry-off on rumination and activity behavior in the 14 subsequent days. *JDS Comm* 2023;4(4):293-297.

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