



NPE
(Nonylphenol Ethoxylate)
FREE
Formula

Bovadine®

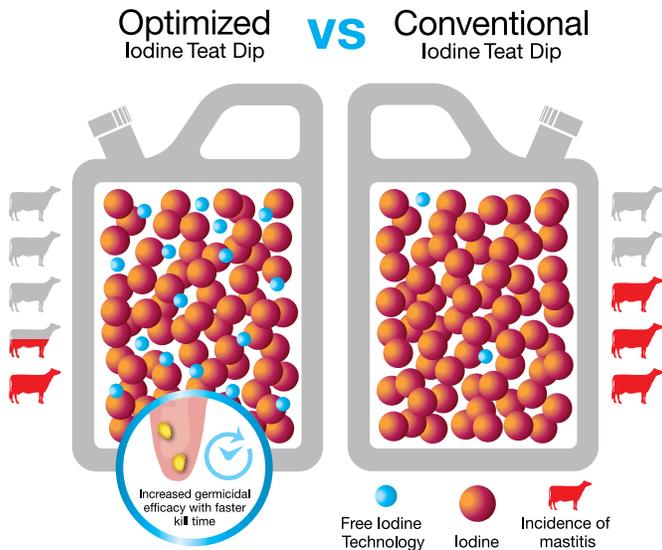
The ultimate iodine post-dip in the dairy industry

An industry champion since 1968, Bovadine has become a trusted aid to dairy farmers for unsurpassed post-dipping prevention of mastitis. Proven successfully in clinical trials, it has also been proven on commercial farms for more than 50 years. What makes Bovadine unique is its balanced formula containing 1% iodine with optimized iodine technology (I-tech 2). This raises the bar and sets the standards for mastitis prevention.



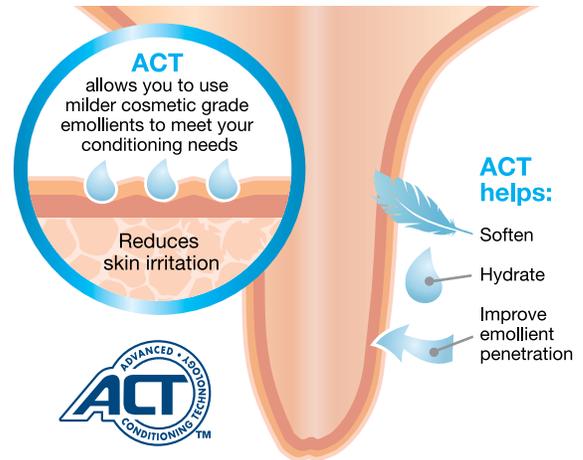
A healthy, supple teat is nature's best defense against mastitis. Advanced Conditioning Technology (ACT™) promotes healthy teat skin, while optimized iodine offers a powerful germicidal technology to eliminate mastitis-causing pathogens.

Teat Dips with Optimized Iodine



Teat Dips with Optimized Iodine keep high levels of active free iodine ready to kill mastitis-causing pathogens.

How ACT™ Works on Teat Skin



Advanced Conditioning Technology (ACT) uses mild ingredients and high quality emollients, providing the ultimate skin conditioning.

Optimized Iodine Technology:

The rate of new mastitis infections is directly related to the number of mastitis-causing pathogens on the teat-end and teat skin. Bovadine contains optimized iodine technology to keep high levels of active free iodine. “Free” iodine is the active portion of iodine in the teat dip that delivers disinfection by oxidizing and killing mastitis bacteria. I-tech 2, the free iodine technology in Bovadine, delivers high and stable levels of free iodine throughout its shelf life 12-20ppm.

Benefits of Bovadine:

- Proven in clinical trials and on commercial farms
- Ideal for year-round use
- Proven to heal chapped skin through ACT technology
- The post-dip of choice to prevent mastitis flare-ups
- Teat dip with optimized iodine technology for efficient and fast kill rate of mastitis-causing pathogens

Features

- 1% iodine with 10% glycerin
- 12-20ppm “free” iodine
- OMRI approved

For more information, contact your local DeLaval Dealer or visit www.delaval.com

ACT: NPE-Free Cosmetic-grade Surfactants

Dry, cracked skin is a breeding ground for mastitis-causing bacteria. Ever since its inception in 1968, the formula of Bovadine has not contained harmful industrial-grade NPE surfactants. The absence of NPEs combined with exclusive cosmetic-grade surfactants provides superior protection to the cow's skin and milk supply.

ACT offers soothing, wetting agents in the iodine chemistry that carry emollients deep into cracks and crevices where they are needed the most. The gentle formula of ACT limits teat irritation and promotes skin healing. Healthy teats are nature's best defense against mastitis.

Efficacy

Log Reduction	15 seconds	30 seconds	1 minute
E. coli	✓✓	✓✓	✓✓
S. aureus	✓✓	✓✓	✓✓
S. agalactiae	✓✓	✓✓	✓✓
S. dysgalactiae	✓✓	✓✓	✓✓
S. uberis	✓✓	✓✓	✓✓
K. pneumoniae	✓✓	✓✓	✓✓
P. zoopfi	✓✓	✓✓	✓✓
Mycoplasma bovis	✓✓	✓✓	✓✓
Serratia marcescens	✓✓	✓✓	✓✓

✓✓ = log reduction greater than 5