



## Blockade<sup>®</sup>

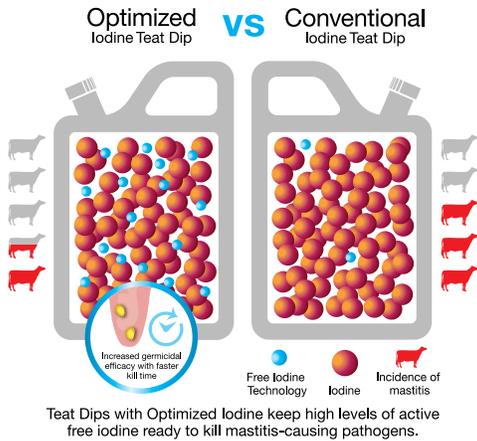
### Soothing protection that outlasts harsh conditions between milkings

The unique, flexible barrier technology in Blockade revolutionized the barrier teat dip industry, and continues to give cows unsurpassed protection from the environment between milkings. Easily visible on teats with its unique, flexible film, the barrier technology in Blockade offers protection from mastitis in challenging conditions such as mud, manure, wind, rain or sun.

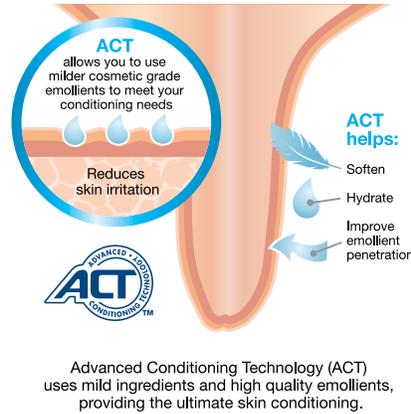
The germicidal power of the iodine in Blockade is reactivated anytime a cow's teat comes in contact with mud or manure. Blockade is formulated to resist dripping and remain on the teat. It is compatible with all commercial pre-dips in the market.



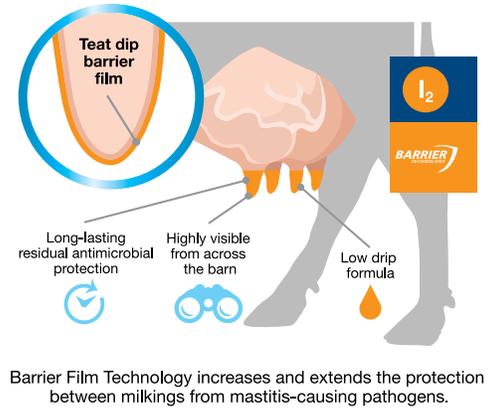
## Teat Dips with Optimized Iodine



## How ACT™ Works on Teat Skin



## Barrier Film Teat Dip Technology



### 1. 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. Blockade 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. The concentration of “free” iodine in a teat dip solution is determined by the chemistry in the formula, which has been demonstrated since the 1940s. I-tech 2, the free iodine technology in Blockade, delivers high and stable levels of “free” iodine throughout its shelf life (12- 20 ppm).

### 2. ACT™ (Advanced Conditioning Technology):

Dry, cracked skin is a breeding ground for mastitis causing bacteria. Ever since its inception, the formula of Blockade 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 reduces teat irritation and promotes skin healing. Healthy teats are nature’s best defense against mastitis.

### 3. The barrier technology of Blockade

creates a moist, thin, flexible film that provides a secure “cap,” covering the teat and providing long-lasting protection against mastitis-causing pathogens from entering the teat canal.

### Benefits of Blockade:

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

## Grass Lake Farm Hamilton, Washington



### Why Blockade?

“Because it was the best product. We wanted the protection of a barrier product - years of teat protection, low SCC and little to no mastitis.”

Registered Brown Swiss herd.

For more information, contact your local DeLaval Dealer or visit [www.delaval.com](http://www.delaval.com)

### Features:

- 1% iodine with 12% emollient package
- 12-20 ppm “free” iodine
- OMRI approved

### Efficacy

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

✓✓ = log reduction greater than 5