

Udder Health Solutions

Mastitis prevention for your herd



Working to improve Health and Safety on your farm

New grey drums for easy identification and QR codes giving you quick and easy access to Safety Data Sheets.

Mastitis prevention for your herd

The solution to a mastitis problem doesn't have to cost a lot – it is often a combination of the simplest things

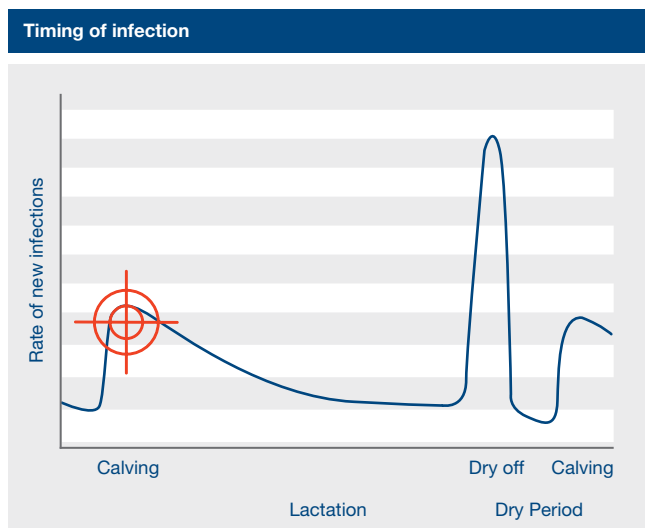
Maintaining a healthy and productive herd

Many factors can damage the teat, including weather, vacuum, pulsation and over-milking. It is important to understand how the entire picture of mastitis fits together in relation to your farming practice.

When you need to seek more information on mastitis and your farm, DeLaval advocates the need to work as a team with your vet and milking machine technician to ensure that things like shed settings, rubberware, teat sprays, antibiotic treatments and milking / farming practices are all at their optimum.

Protect your profit

Mastitis is the most costly disease in dairy farming today and the greatest portion of this cost is hidden as sub-clinical mastitis. Raised cell counts are related to a substantial loss in milk production. Teat spraying is one of the most effective ways to reduce somatic cell counts, prevent mastitis and therefore protecting your profit.



Summary of milk production and somatic cell counts (SCC) for a herd.

MS%	Pro%	MS%	SCC
7.68	3.55	7.66	52
7.66	3.52	7.97	66
7.92	3.65	7.92	68
7.65	3.55	7.65	60
7.65	3.49	7.65	60
7.65	3.49	7.65	60
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Strive for perfect teat conditioning

A cow requires good teat condition to resist an invasion of mastitis-causing bacteria. If a teat is in perfect condition, there are less places for bacteria to hide. This means that your teat sanitiser will be more effective. Our range of DeLaval Teat Sprays gives you peace of mind that you are providing optimal teat conditioning for your herd.





The best insurance policy against mastitis begins with reducing the number of bacteria on the teat.

All DeLaval Teat Sprays contain ACT™ and I-Tech™ technologies.

ACT™ technology - for better skin condition

ACT™ is a patented technology that greatly improves the skin conditioning properties of iodine-based teat sprays to improve udder health.

Poor teat skin condition makes the cows uncomfortable which reduces milk yield. Most commercial teat sprays contain harsh, industrial detergents which can cause chapped, irritated teats – an ideal breeding ground for mastitis causing bacteria.

These treatments also tend to have a low pH which effectively means farmers are spraying acid onto the teats.

Advanced Conditioning Technology® (ACT) products have the following benefits:

- Gentle ingredients – reduced chemical damage.
- Skin friendly pH – reduced teat drying and more rapid healing.
- Increased skin surface penetration – reduced risk of mastitis and better teat condition.
- No need to add emollient – reduced costs and chemical handling.

I-Tech™ technology - kills more bacteria more quickly

I-Tech™ is a breakthrough technology that allows DeLaval to use low-levels of available iodine (which is shown on the label) to minimise iodine residues in milk. Yet, as a sanitiser, the technology releases elevated concentrations of the bactericidal free iodine for quicker and more effective germicidal action.



TechTalk: Free Iodine

Iodine is the active ingredient of choice around the world in teat spray because it is a fantastic sanitiser that has no known resistances even after many years of use. In addition, iodine breaks down to iodide in milk which is a naturally occurring component in milk.

DeLaval uses a patented technology, 'I-Tech®' that allows:

- Low available iodine with elevated free iodine levels – higher bacterial killing ability
- Increased shelf life – quality product that lasts longer.

Proper care of the udder and teat is the **number one** defence against mastitis.

Maximum insurance against mastitis

Many farms now utilise communal feeding areas and housing. These methods increase the level of bacteria present in a concentrated area and therefore the risk of mastitis.

The best insurance policy against mastitis begins with reducing the number of bacteria on the teat. The bottom level of insurance is to teat spray after milking. However when extra insurance is required, spraying or dipping before milking will remove additional bacteria that would normally come into the parlour on teat skin.

Time spent preparing the udder is won back during milking with better milk flow and a more definitive end of milking.

The best practice pre-milking routine is to wear gloves, fore strip the cow, apply the teat sanitiser and wait 30 seconds. Wiping the teat spray off again using a single serve paper towel is mandatory before milking. Post milking application is always recommended.

TechTalk: Teat Spray Do's and Don'ts

The correct mixing, storage and use of teat sprays is fundamental to good udder and teat health.

- Always mix to label guidelines
- Never mix new teat spray with old
- Always use mixed teat spray within two weeks
- Use between 15mL and 20mL of teat spray every time
- Never use concentrated teat spray undiluted.

Our teat spray solutions

KontACT® Concentrate

KontACT contains **Advanced Conditioning Technology (ACT™)** to promote supple conditioned teat skin. **ACT™** products are at a skin friendly pH so that they don't burn teat skin and instead, encourage healing.

Mix rate: 1:3 mix year round
Can be used for up to 12 weeks after mixing.

APVMA Approval No. #65723

DeLaval Spray & Dip RTU

Spray & Dip RTU is registered for use **pre and post-milking** to minimise bacterial contamination of the teat from both environmental and contagious pathogens. It is a pre-mixed, ready to use formulation. **Contains ACT™ and I-Tech™ technologies** to be gentle to teat skin whilst having a high, stable level of free iodine to kill bacteria and sanitise teats quickly.

APVMA Approval No. #58771

KontACT® RTU

A premium iodine teat spray that is pre-mixed and ready to use. This product **contains ACT™ technology** and promotes even skin coverage to penetrate all the skin's natural cracks and crevices. This ensures better bacterial kill and therefore reduced mastitis.

APVMA Approval No. #58502



**NPE
FREE**

Teatsan

Teatsan is a favourite product for farmers who need a teatspray that is a highly concentrated and effective post milking sanitiser with added emollient. Teatsan is an aid in reducing the spread of mastitis-causing organisms in lactating dairy cows. 12 month shelf life.

Mix rate: 1:7 mix year round

APVMA Approval No. #69709

Emollients

Glycan® is a teat spray additive that contains Sorbitol and Glycerine. These ingredients are utilised all around the world as skin conditioners. **Glycerine** and **Sorbitol** are also available separately.

Not all products require additional emollient. Some products recommend that the emollient level is increased by simply mixing a teat spray product to form a stronger solution. If in doubt, please check the label.



Teat Spray Mixer Auto Dispensing System

- Mixing and application in one unit.
- In built Flo-Jet air pump for delivery to spray guns, exit sprayers or automatic teatspray wands.
- 4L reservoir that automatically refills so you never run out of teatspray during milking.
- Little maintenance required.



Safe Spray Teat Sprayers

A vacuum operated system that delivers teat spray to your droppers. Teat spray is applied to the cows by using hand-operated spray guns. The pressure is adjustable to ensure optimum coverage.

DeLaval Teat Spray Robot (TSR)

One of the first automatic post-spray solutions for farmers with parallel rotaries. It provides an accurate, optimal and consistent method for applying teat spray after milking. The TSR is helping to ensure the good health of cows while eliminating the need for traditional, labour-intensive teat spraying, boosting farms' profitability.



Teat Spray Mixer Manual Dispensing System

- Mixing only.
- 2 separate mixing lines if 2 different dilution rates are required.
- Operator initiated dispensing at a rate of 4L per minute into whatever tank or reservoir is being used.
- Little maintenance required.



On Deck Teat Spray (ODTS)

Four individual spray nozzles provide accurate coverage seconds after cluster removal, and the added benefit of the cow locator provides fast and easy access for cupping.

Want to know more about our Teat Sprays?

DeLaval Spray and Dip RTU

A high-specification teat sanitiser which can be used before and after milking

No more harsh ingredients damaging the teats.

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We found that mastitis was eliminated and the SCC stayed at a good level under 130,000.

Case Study
Using Spray and Dip to control mastitis during calving

STUART AND LISA AUSTIN, use Spray and Dip RTU exclusively as the pre-milking teat spray for their colostrum cows.

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DeLaval Spray and Dip RTU is an iodine based sanitiser using I-Tech™ and ACT™ technologies which combine to make it a potent weapon against mastitis-causing bacteria, and with a pH level of around 5, is gentle on the skin.

It is an effective germicide for after-milking treatment all-year-round. It can also be used strategically as a pre-milking product to add an extra precaution in times of high mastitis challenge - such as after calving, during winter and when cows are on a feed pad.

Every farm has a different mastitis profile. Your DeLaval representative or a veterinarian can help you to decide when DeLaval Spray and Dip RTU is the choice you need for your herd.

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We used DeLaval Spray and Dip RTU over the toughest winter months and noticed the difference immediately.

It clung to the teats a lot better. You could see a film on the teats mid-afternoon when they came into the dairy.

Teat health was also excellent for the time of year and in spite of using a feed pad, somatic cell counts stayed reasonably steady.

We didn't get the clinical cases we've had in previous years. I estimate we got 30 percent less mastitis over the four winter months and the teats were in great condition all winter.

ADRIAN AND PAULINE BALL, trialled the product as an after-milking treatment on their winter milking herd. For them winter is a time when the risk of mastitis is particularly high.

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Winter trial demonstrates benefits

DeLaval Spray and Dip RTU Recommended Pre-milking routine

1. Forestrip each teat
2. Spray or dip with DeLaval Spray and Dip RTU
3. Wait for 15-30 seconds
4. Dry the teats using a single service towel
5. Apply cups
6. Remove the cluster after milking
7. Post milking teat spray with DeLaval Spray and Dip RTU

KontACT® RTU

Your cows need mastitis protection

Gentle on teats

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We had only been using KontACT® RTU a couple of weeks when we noticed the teats were “nice and soft”.

It saves time because there's no mixing, it goes on easy and I like the iodine base. But best is the teat condition, they're in great order and that's very important to us.

BRUCE HILLS, MILKS 220
PEDIGREE FRIESIANS

”

Iodine is the active ingredient of choice in KontACT® RTU because it is effective against all bacteria, yeasts, spores and fungi.

There are no iodine resistant bacteria even after many years of use. Therefore you can be assured that KontACT® RTU is your perfect partner for long term mastitis control.

Specialised ingredients spread the sanitiser more effectively to penetrate all the hard to reach places where bacteria usually hide on teat skin. This gentle, non-irritating formulation also allows teats to heal faster.

Gentle on teats

Contains ACT™ and I-Tech™ technologies to be gentle to teat skin whilst having a high, stable level of iodine to kill bacteria and sanitise teats quickly. This means you do not need to add additional emollient, which makes KontACT® RTU more cost effective.

Smoother teats also carry fewer bacteria, so the chance of contracting a mastitis infection is greatly reduced.

KontACT® RTU Profile

- 5g/L available Iodine.
- 50g/L glycerine.
- Ready To Use formulation.
- Advanced Conditioning Technology.
- Protocol tested.
- APVMA approved No. #58502



Instructions for use

- Use a dip cup or teat sprayer to dip or spray the entire teat and associated udder area. Spray until a droplet forms beneath the teat.
- Apply after each milking.
- Ensure complete coverage.

We live milk

delaval.com

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Your Local DeLaval Dealer: