

ONLINE COURSE FOR MILKERS

Milking and udder health

24. Februar 2026
Jan Støve



SEGES Milk Quality - quality advice

- Bacteriacount
- Cellcount
- Milking lessons on the farm
- Dynamic testing of milking systems
- Isotest of milking systems (inspection of the milking parlour)



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Program



Understanding the cow's needs – gain insight into the structure of the udder and why good milking routines are crucial.

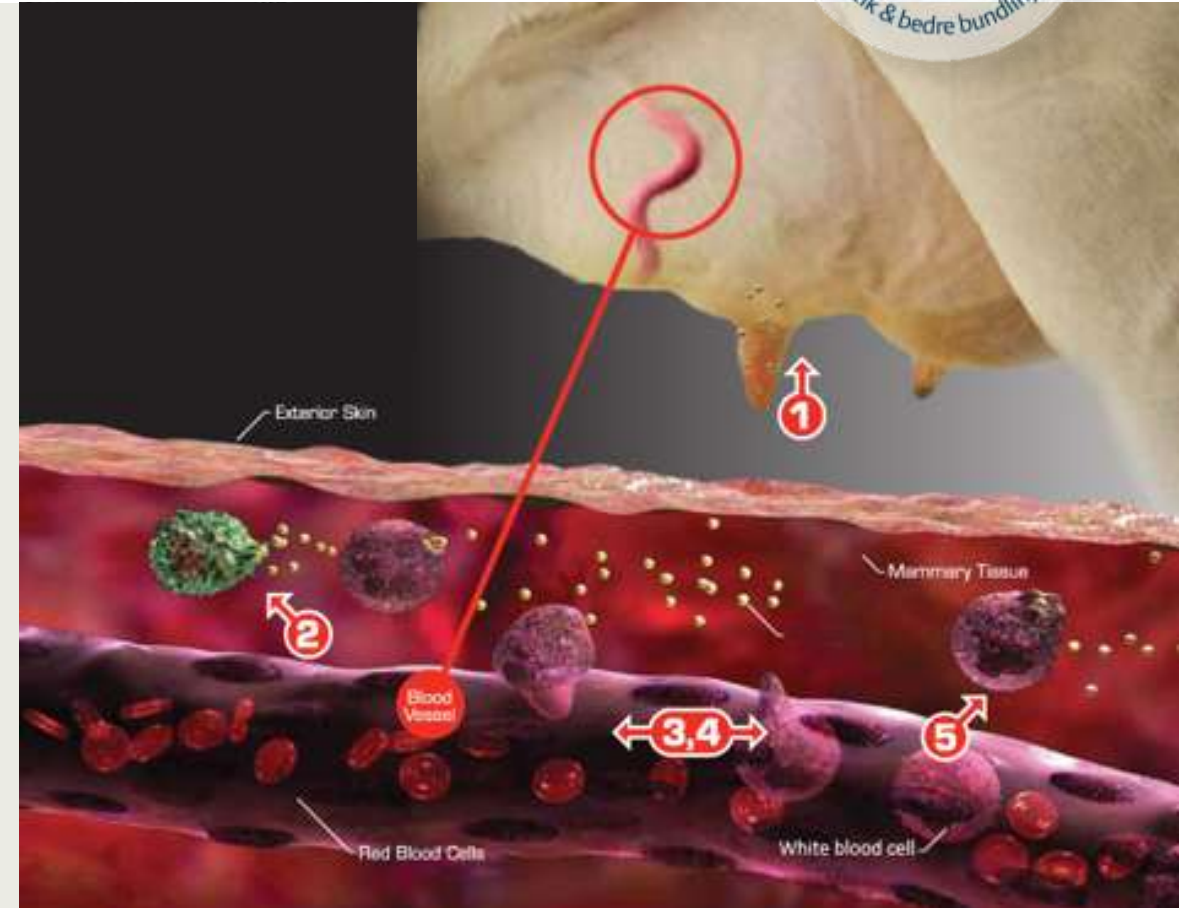
Good advice and guidance on how to prevent cell counts and udder problems – learn more about how to keep cows healthy.

Knowledge about hygiene during milking – learn the key principles to ensure good milk quality.

Knowledge about antibiotics – safe milking for treated cows.

What is cell count?

- White blood cells
- Rejected udder tissue



Cell count – where do we find it?



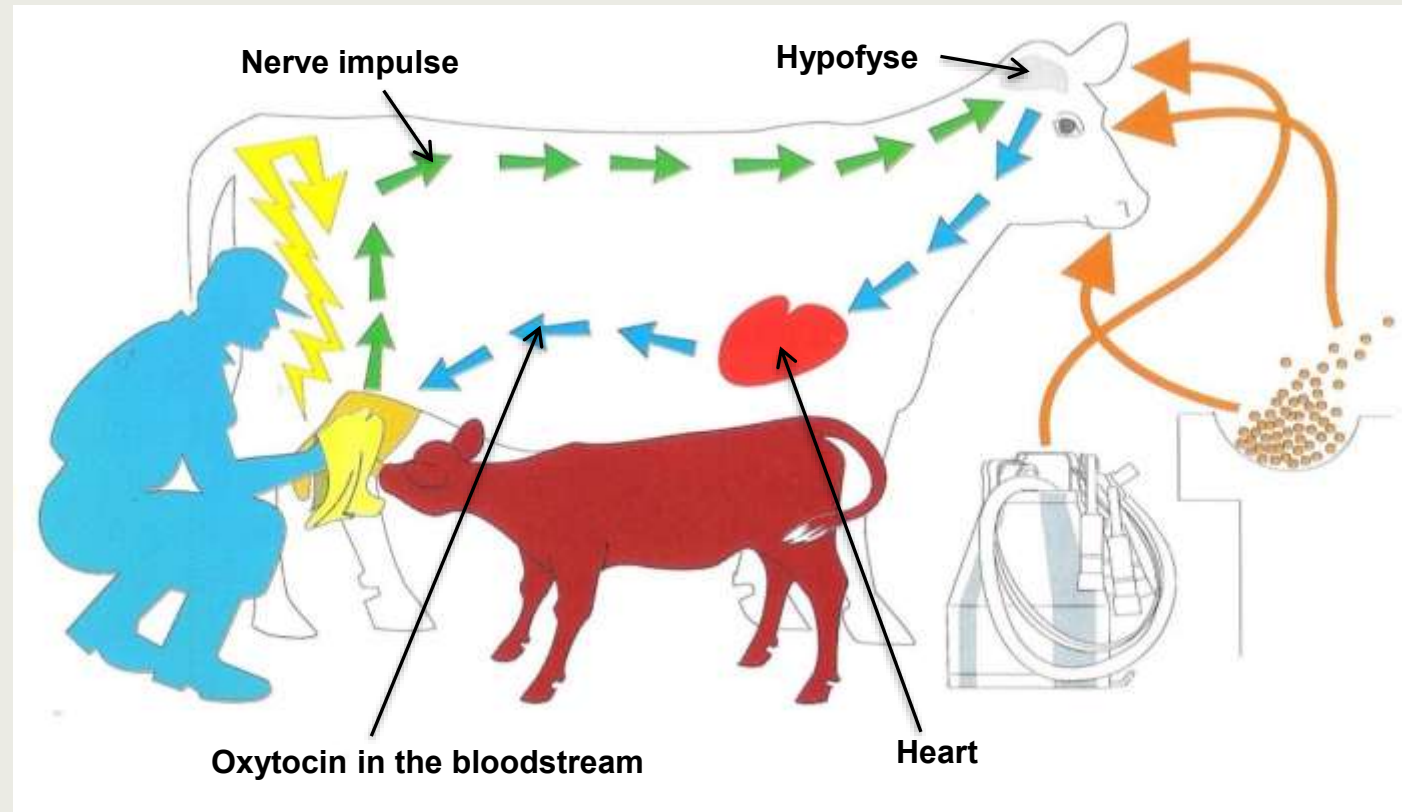
Indvejning	
Mængde:	13333.1 L
Temperatur:	2.3 °C
Produkt:	Non-GM Rånalk VLOG
Pumpe stoppet:	06-01-2023 07:36
Chauffør:	Erik Riis Nygaard
Bil nr.:	7538
Rute:	6767(2)
Tur:	67672
ANALYSE -	
PRØVEDATO	04-01-23
FEDT %	3.49
PROTEIN %	3.53
CELLETAL 1000/ML	0090
UREA	3.5
Frysepunkt	°C 0.524
Antibiotika	Ej påvist
KIM (IBC) 1000/ml	17

Understanding of The cow's needs

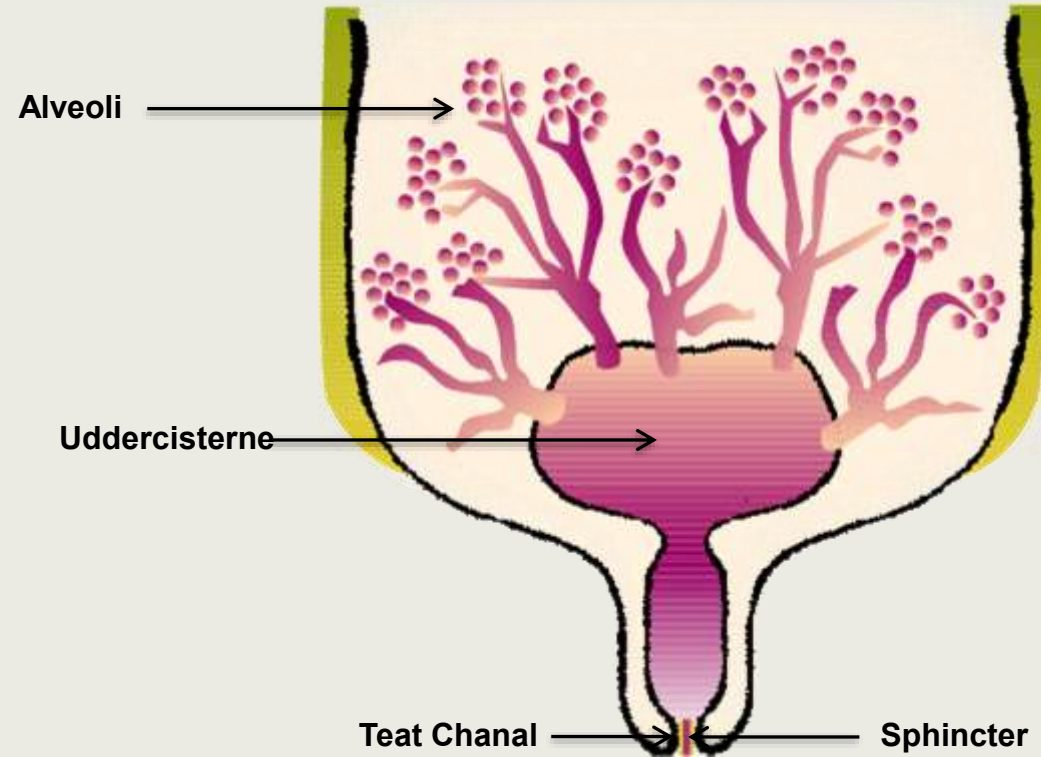
Gain insight into the structure of the udder and why good milking routines are crucial.



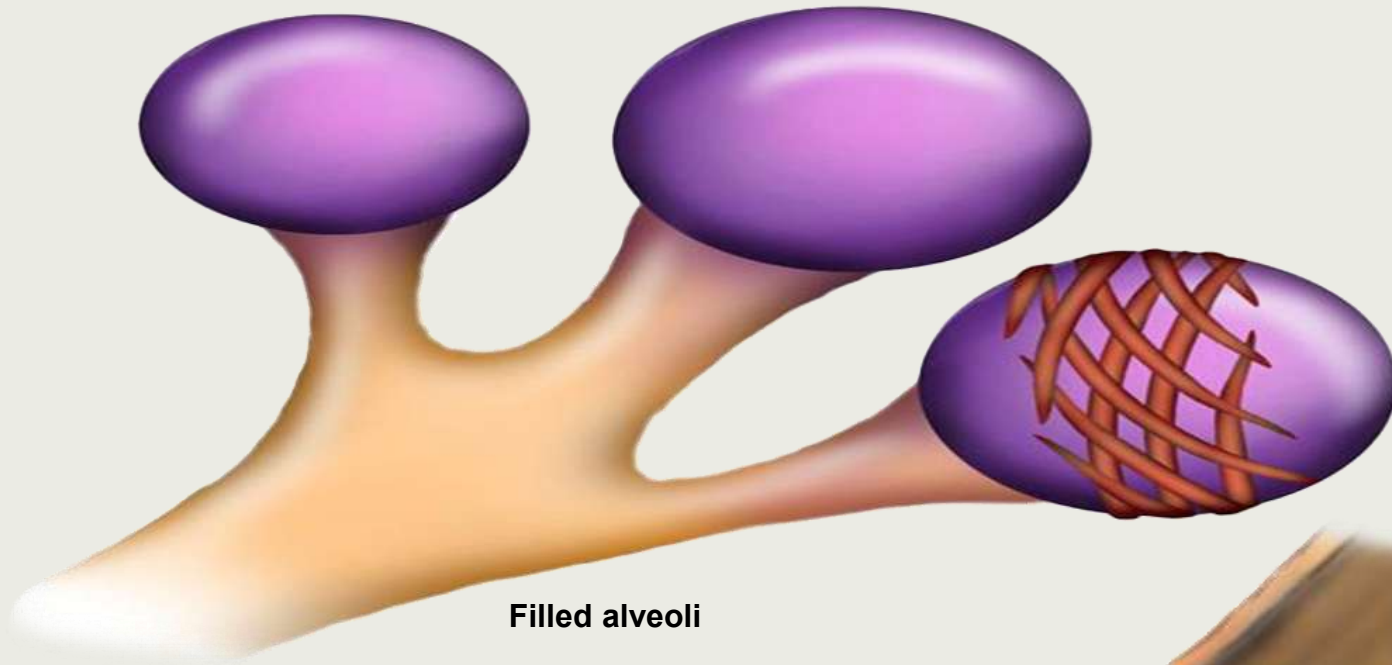
Milk Laying Down



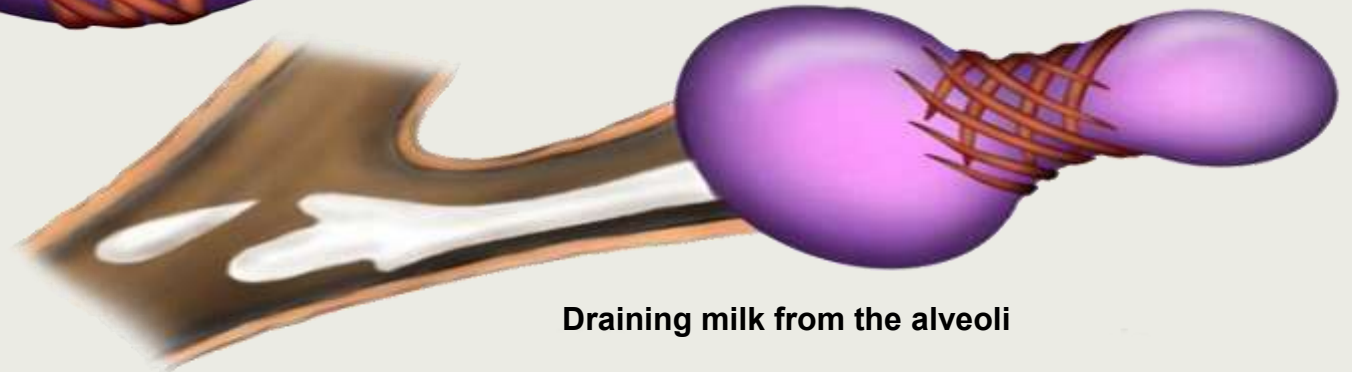
The structure of the mammary gland



Function of the alveoli



Filled alveoli

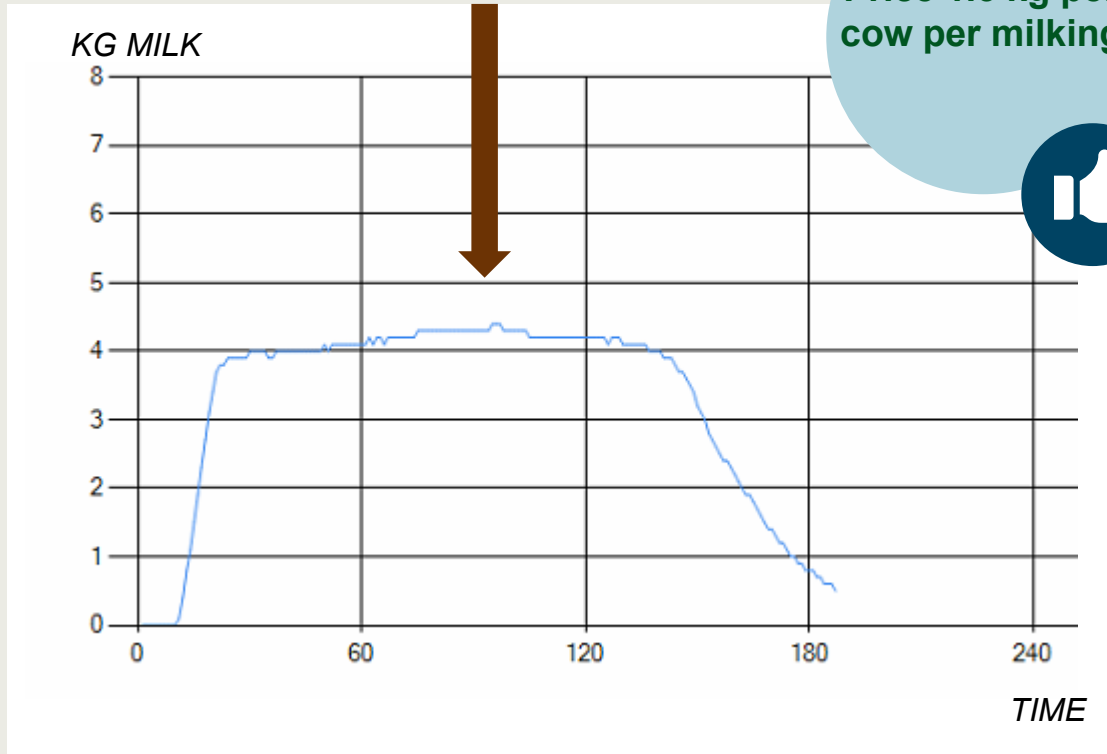


Draining milk from the alveoli

Are the cows ready for milking?



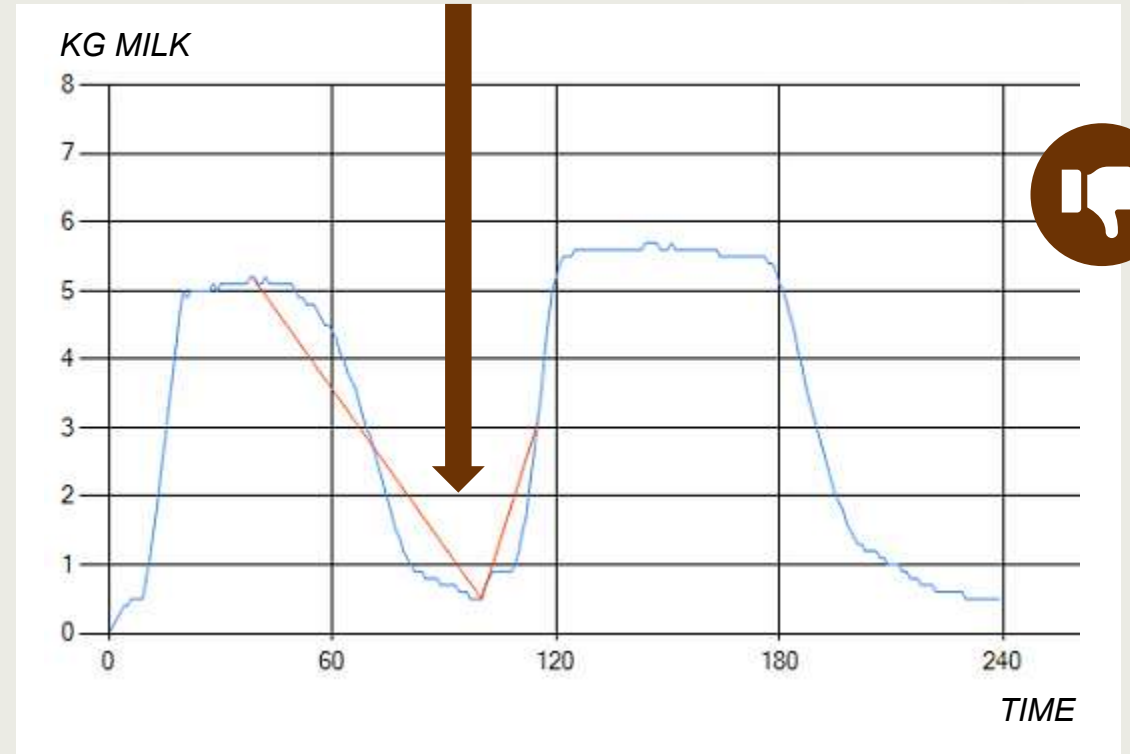
The milk runs



Price 1.3 kg per cow per milking



The milk does not flow

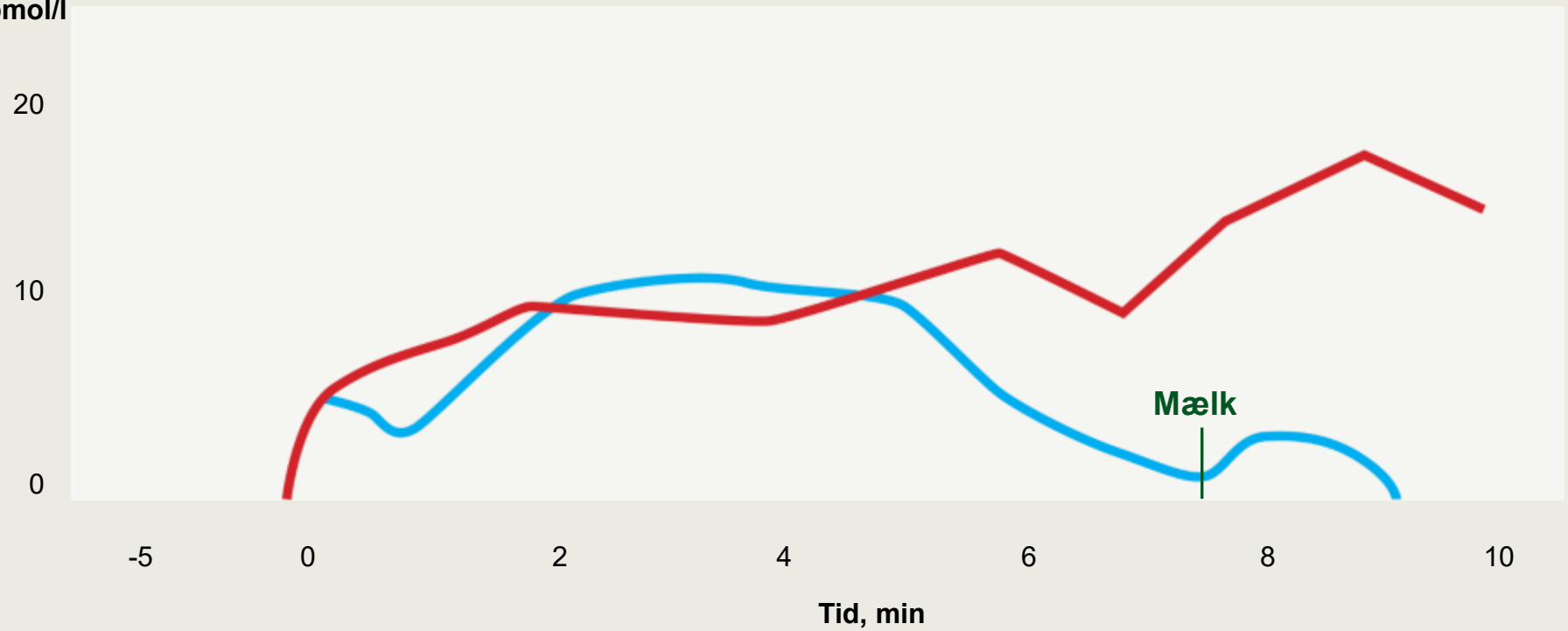


Oxytocin in the blood – without stimulation



10 sec. preparation/machine after 30 sec.

Oxytocin, pmol/l



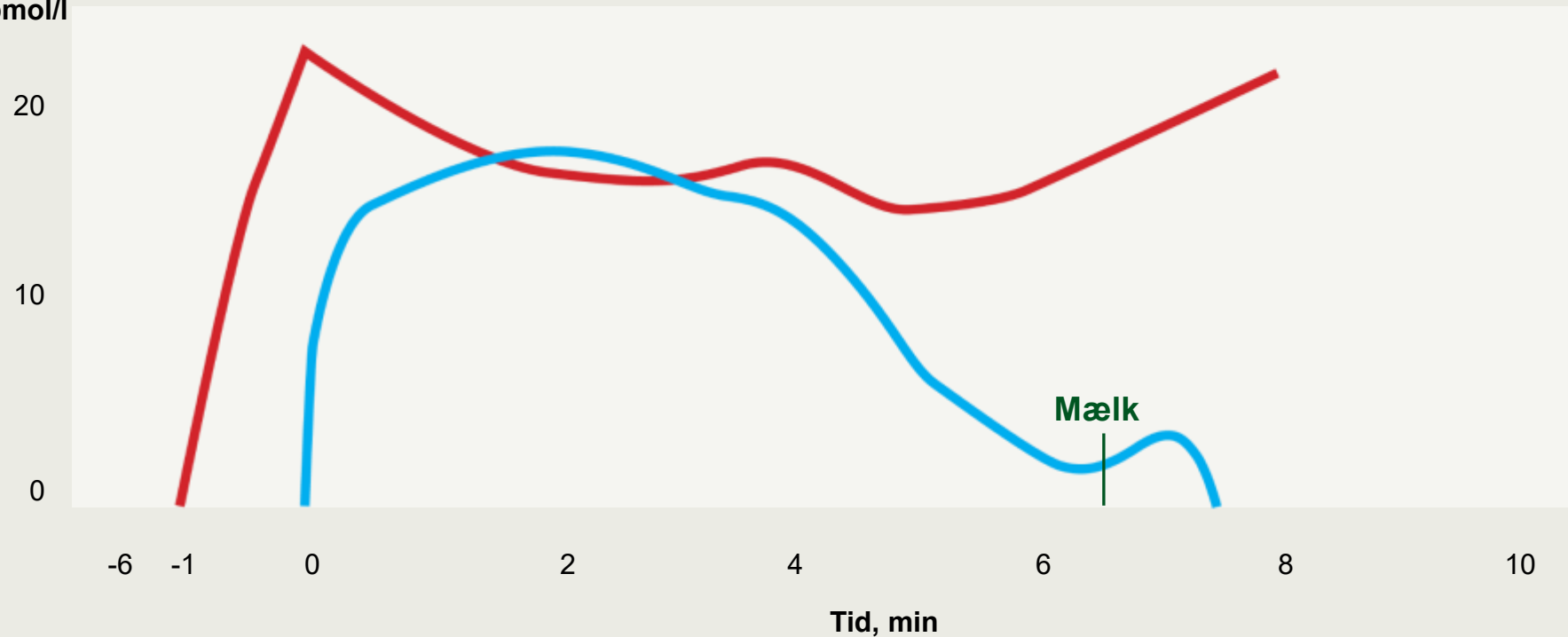
Mælkeflow, kg/min

Oxytocin i blodet – med stimulering



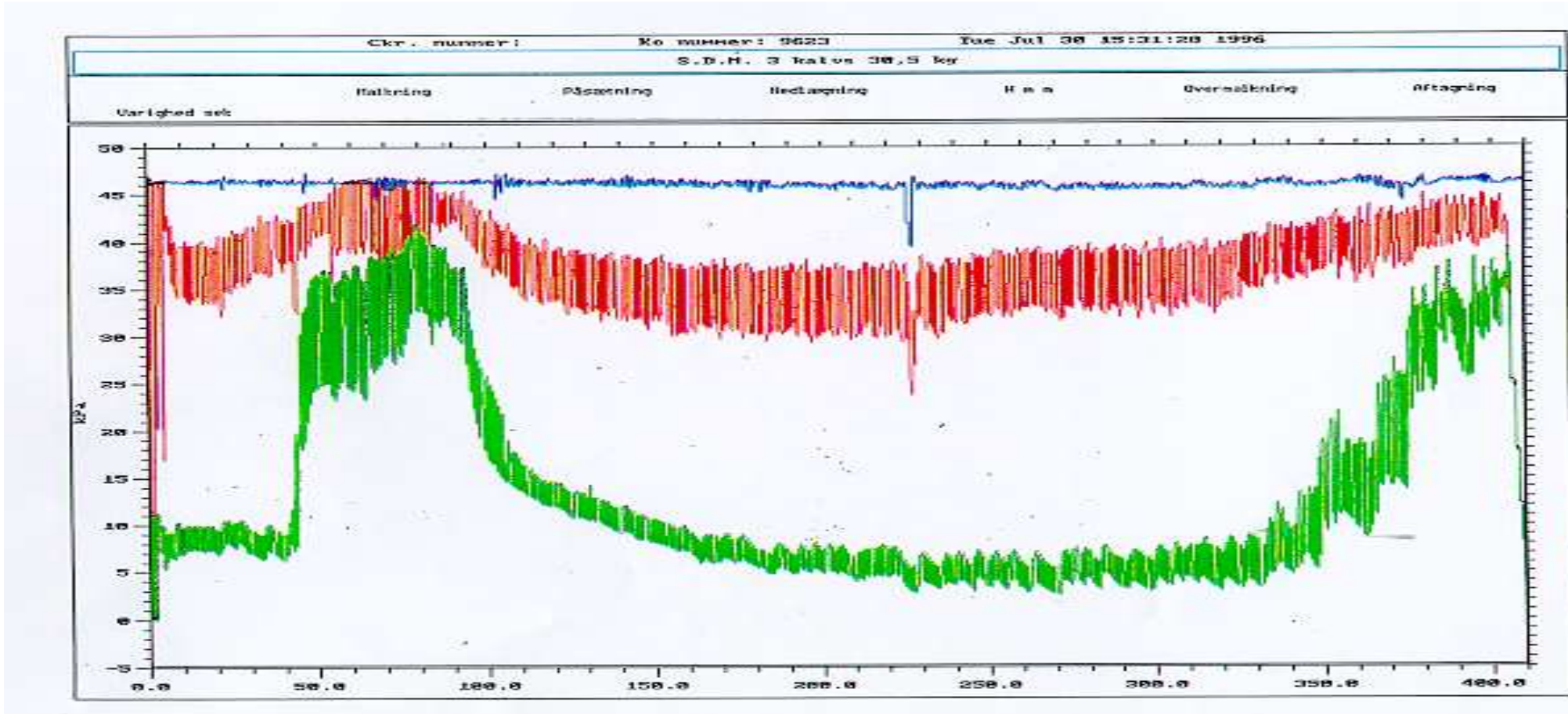
20 sec. preparation/machine after 90 sec.

Oxytocin, pmol/l



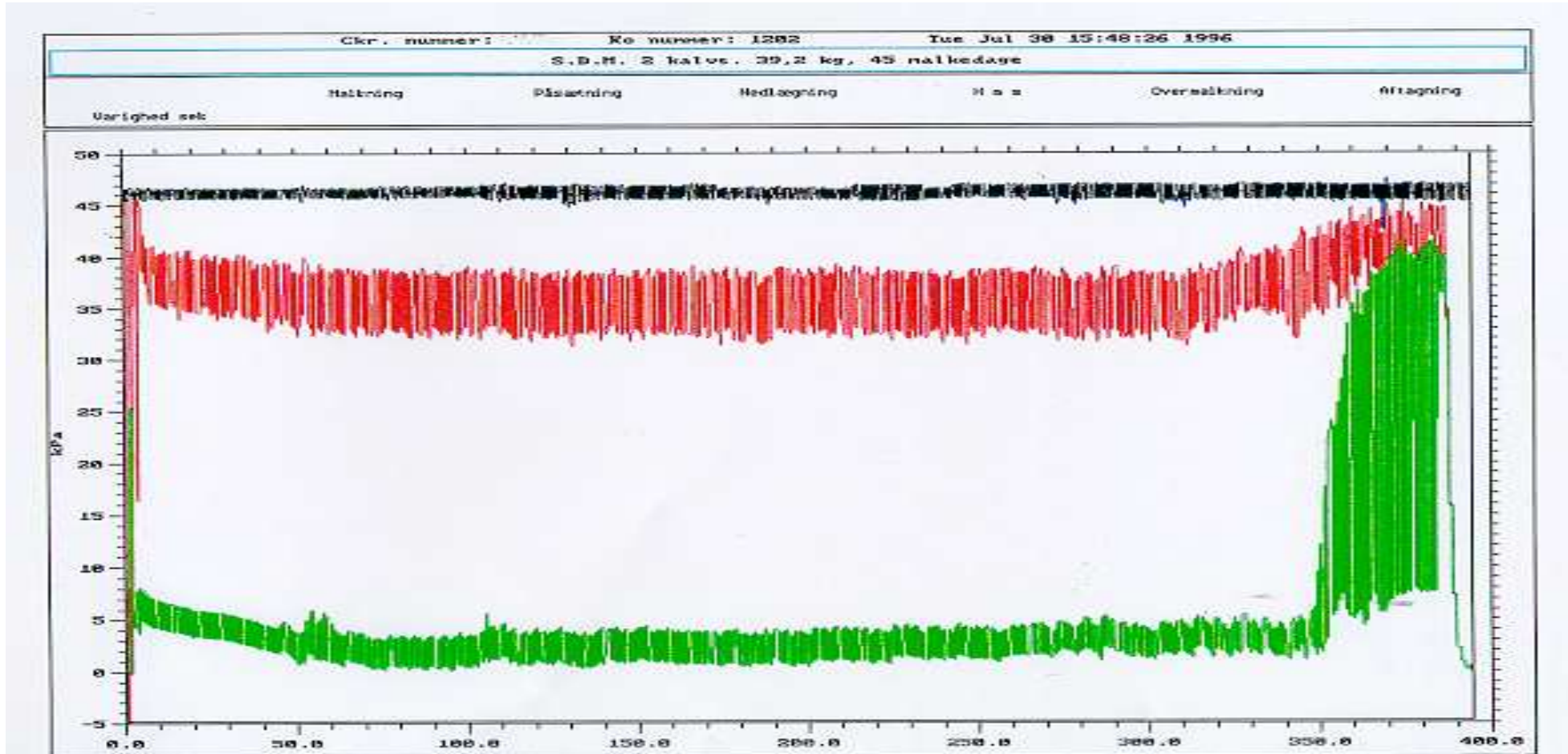
Mælkeflow, kg/min

Forberedelse 9-11 sek. og påsætning efter 30 sec



Malkning- Hvorfor er rutiner så vigtige?

Forberedelse ca. 20 sek. og påsætning efter ca. 60-90 sek.





Score of the Teat tips



SCORE 1



SCORE 2



SCORE 3



SCORE 4



1.5 times greater risk of infection at scores 3 and 4

Bimodal milking = broken teat tips

Interval – number of daily milkings



2 x milking per day
60-90 Seconds

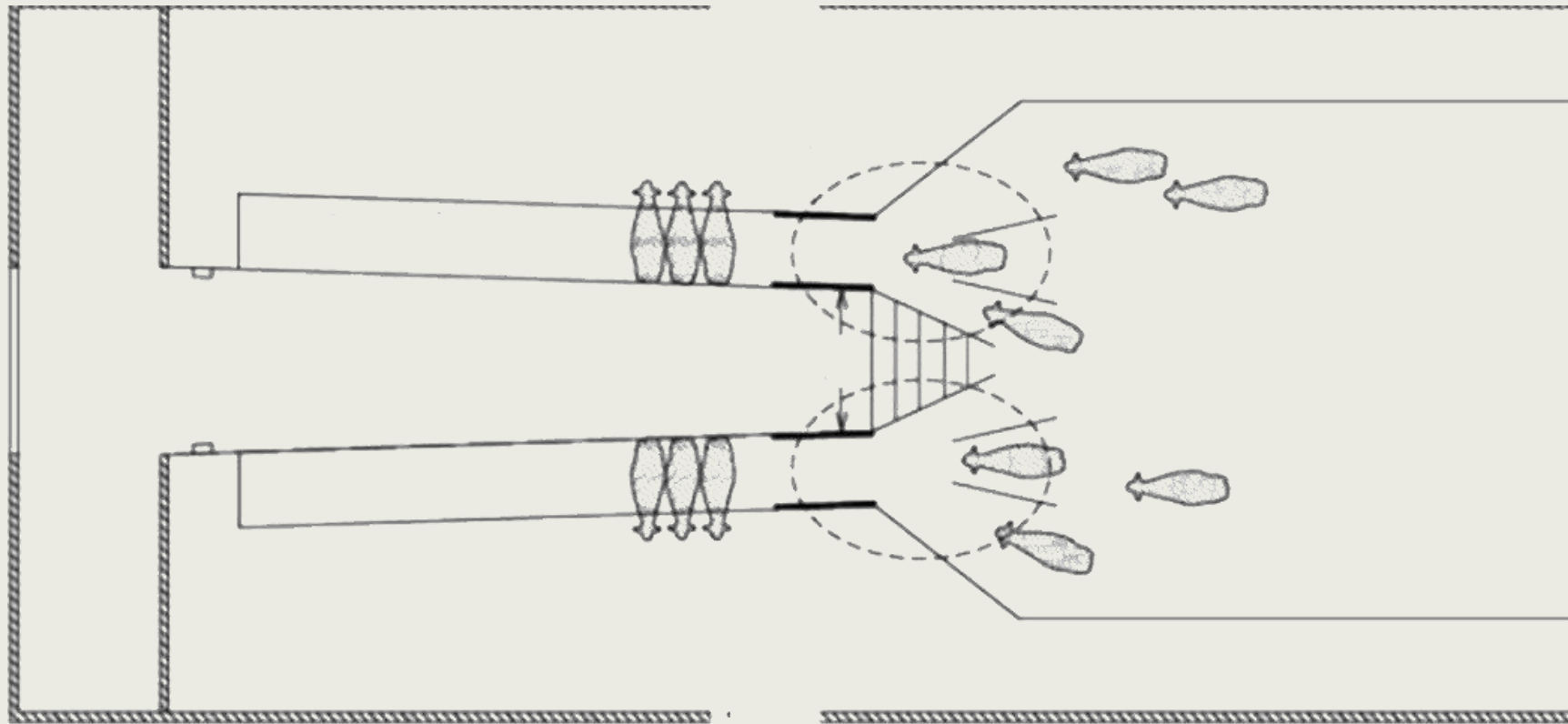
3 x milking per day
90-120 Seconds

Good advice and guidance

Learn more about how
to keep cows healthy



Routines in the milking parlor



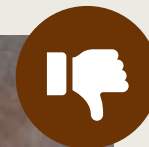
Fingering position when milking



CORRECT



WRONG



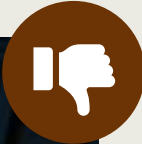
Foam/soap



Spread of bacteria when wiping



WRONG



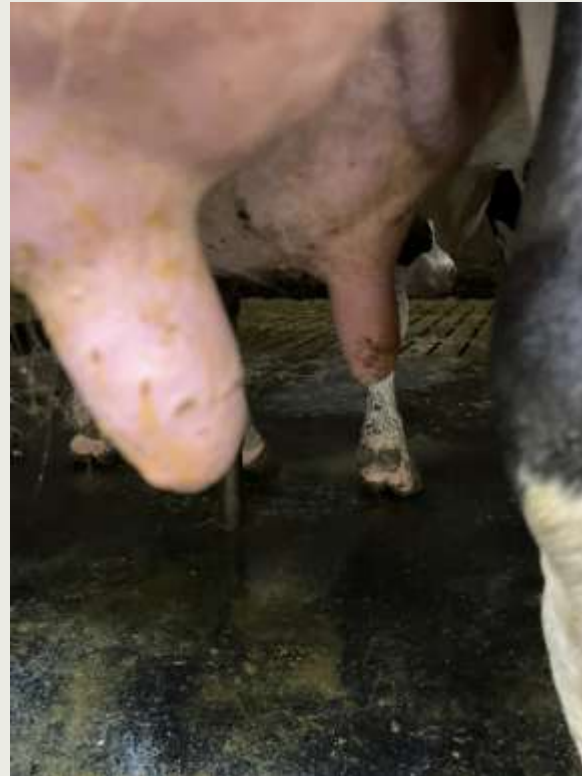
CORRECT



Wiping the teat tip



Wiping the teat tip



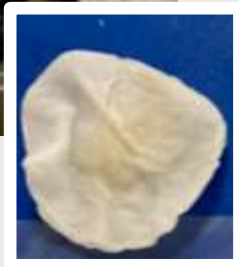
Wiping the teat tip



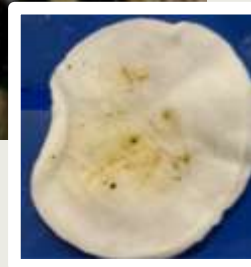
Hygiene score



SCORE 1



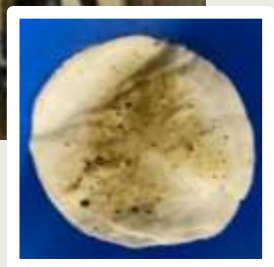
SCORE 2



SCORE 3



SCORE 4



Teat dip after milking



Teat dip after milking



The golden advice for milking



Knowledge of hygiene

Learn the key principles for ensuring good milk quality.



Hygiene score



SCORE 1



SCORE 2



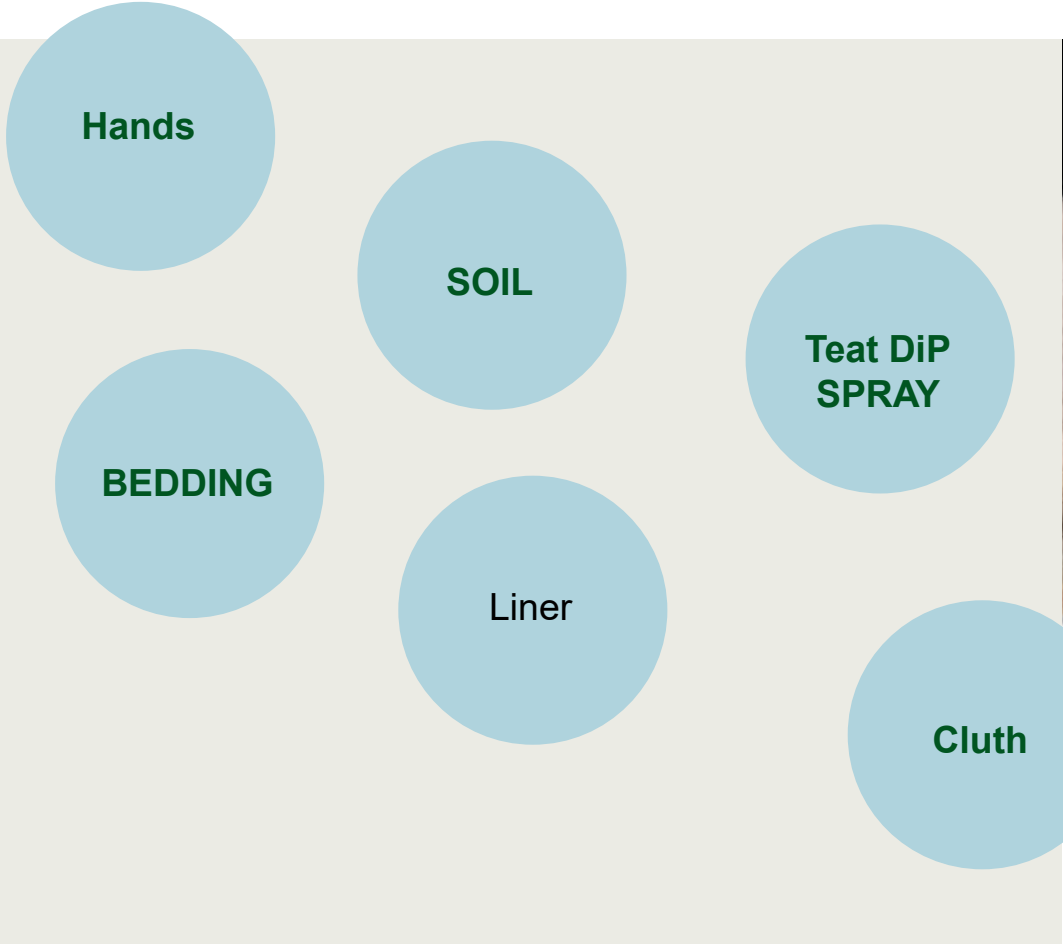
SCORE 3



SCORE 4



Sources of infection



Stable environment



Hygiene in Beds



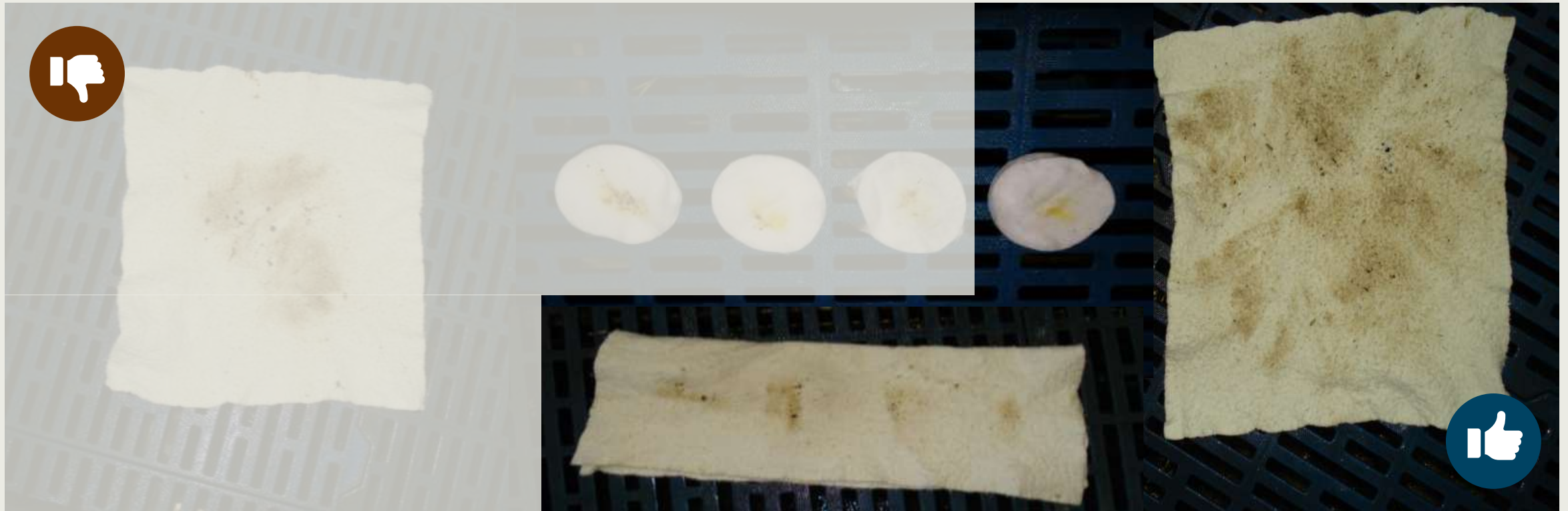
Hygiene in area with Straw



Hygiene by teat washer



Using a milking cloth when wiping teats



What we see in the milking parlour



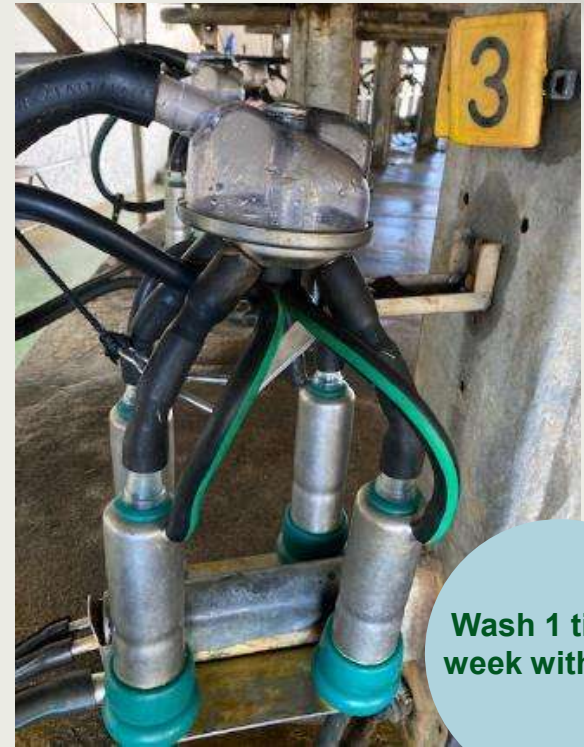
Hygiene in and around the milking parlour



BEFORE



BEFORE



AFTER

Wash 1 time a week with foam

Check the filter after milking



Knowledge about antibiotics

Safety milking for treated cows.



SEGES
INNOVATION

Good routines around treated cows



All treated cows, including treated dry cows, must be marked with two red ankle straps before treatment begins.

Ko nr.	Problem	Behandling 1-4		Tid i malk
1392	yb HF	2/11	3/11	4 dagn
1344	Efterbyrd	4/11		3 dagn

It is recommended to write treated cows on a board so that everyone knows which cows and how many are in treatment.

Separation of milk from treated cows



All treated cows are milked in a separate system, or with a separate bucket machine with a vacuum supply from the pulsator line – never from the milkline.

Good routines around treated cows



Check that the cow has calved on time – min. 30 days after dry treatment.



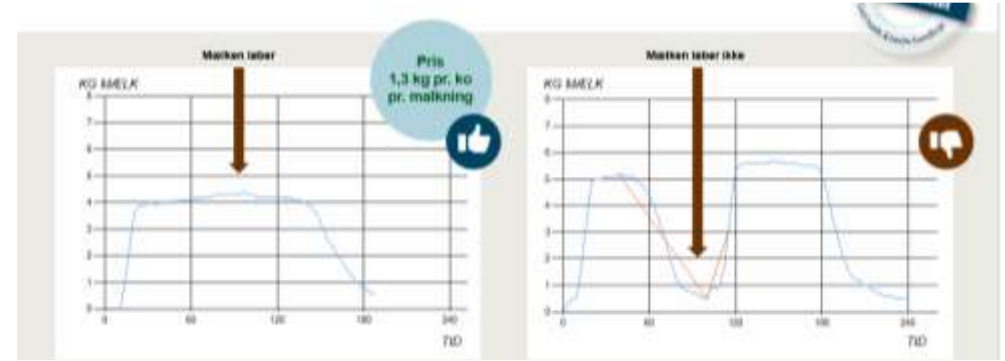
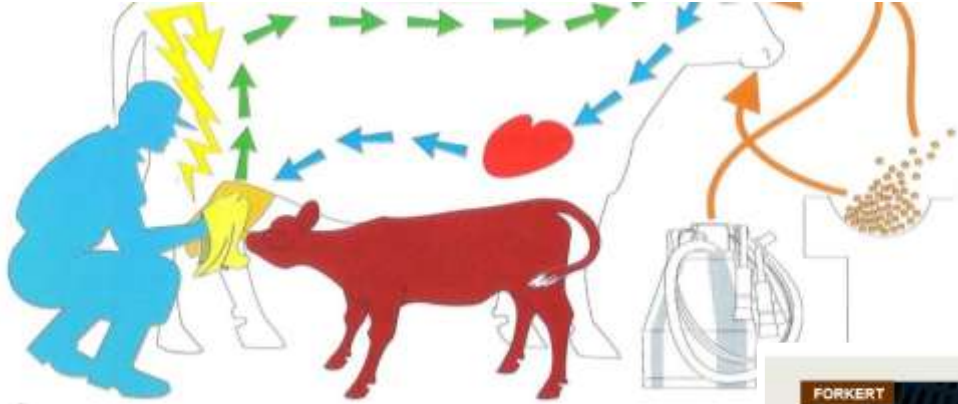
Check that the withdrawal period is met before the cow is milked in the tank.

If the accident happens

- Contact the owner or the person responsible for the milk delivery.
- Install the red stop sign at the tank outlet.



Summary



Hygiejnescore



**THANK YOU
FOR YOUR ATTENTION**

