

Mastitis 5 – Bactoscan: Problems and Solutions

First Name:		Last Name:		
Email:			Veterinary Practice:	
Postcode:		Date:		

Please circle one answer only e.g. **A**

What does Bactoscan measure?

- Yeasts
- Somatic cells
- Bacteria
- Viruses
- Mastitis

What should your Bactoscan target be?

- Whatever is set by the dairy company
- <30,000 / ml
- >50,000/ml
- <50,000/ml
- >100,000/mL

Which of these is the commonest cause of high Bactoscans?

- Poor plant hygiene
- Mastitis
- Poor refrigeration
- Teat contamination
- Poor sampling technique

What sort of mastitis most commonly leads to high Bactoscans

- Toxic mastitis with a sick cow
- Environmental mastitis particularly that due to *Strep uberis*
- Chronic mastitis due to *Staph aureus*
- Mastitis late in lactation.
- Dry cow mastitis

At what temperature should milk be entering the tank?

- 5 °C
- 35 °C
- 18°C
- 7 °C
- 27 °C

Which of these procedures will reduce Bactoscan most effectively:

- Washing your hands before milking
- Wearing gloves
- Washing your hands during milking
- Teat spray after milking
- Wearing gloves and disinfecting them regularly during milking.

Finding high levels of which bacteria is commonly associated with a contaminated parlour water supply?

- Strep uberis*
- Staph aureus*
- Serratia*
- Enterococcus faecalis*
- Pseudomonas*

How long does a Bactoscan test take

- 7 seconds
- 7 minutes
- 7 hours
- 24 hours
- 7 days

If you have a Bactoscan score fluctuating from high to low you should:

- Ignore it, it isn't important
- Get a herd test to identify the cow with mastitis
- Get cultures done on the next bulk milk
- Freeze a bulk milk sample every day, but only culture a sample if you get a high Bactoscan
- This can't happen as Bactoscan scores are very similar from day-to-day

Which of these responses is likely to have no effect on a high Bactoscan

- Plant cleanliness – more inspection and better cleaning
- Cow preparation and health – clean teats, clean water and clean non-mastitic milk
- Milking routine – clean gloves, clean clusters
- Milking machine maintenance – test at least once per year
- Cull one cow with chronic *Staph aureus*