

Environmental Mastitis Day Handout

This handout is not aimed to be a treatment plan for your animals, merely a useful tool as an aid to your existing herd health plan which will be specific to your farm. These plans were discussed on the day and a number of farmers expressed a wish for the info after the event. If you have any queries you should speak to your vet. Don't change anything without considering the effects it may have on your farm.

Tips for different types of environmental mastitis:

1. **INITIAL CASE: CLOTS, NO SWELLING** : Course of tubes alone may suffice

Cobactan tubes: one tube every 12 hours (per milking) for 3-5 milkings (no steroid) OR
Synulox/Noroclav/CombiClav: one tube every 12 hours (contains steroid - anti-inflammatory)

It is important to always give at least 3 tubes in a course of treatment to prevent infection becoming sub-clinical. Some cases may require a longer course of treatment.

2. **CLOTS AND SWOLLEN BAG**: Tubes plus injectable antibiotic

Tubes plus **Cobactan** injection: 25mls/day in muscle 2-4 days
+/- **Flunixin** or **Ketofen** anti-inflammatory: 25mls i.m. or i.v., on day 1

Tubes plus **Synulox/Noroclav/CombiClav** injection: 30mls/day in muscle for 3 days
Again +/- **Flunixin** or **Ketofen** anti-inflammatory: 25mls i.m. or i.v., on day 1

3. **REPEAT OR PERSISTENT INFECTIONS AND/OR HIGH CELL COUNTS**:

Tubes: easier to use 1-a-day tubes e.g. **Tetra Delta**, **Ubro Yellow**, **Multiject** etc for 5 days

Plus: **Tylan** injections: 20-30mls i.m. per milking for 5 milkings OR **Mamyzin** injections (4 vials over 4 days) - need to confirm Strep uberis problem first! Wouldn't use as first line treatment in case an E.Coli is present.

Or 5-7 days of **Cobactan** injection and tubes in very high cell count cows.

4. **SWOLLEN BAG, WATERY MILK**:

Suspect E.coli infection. Tylan does **not** work for E. coli!

1. **Leo Yellow/Mastiplan**, **Tetra Delta** or **CombiClav** tubes for 3 days (1 per day)
2. **Synulox/CombiClav/Noroclav** or **Norodine** injection for 3 days (in muscle) (40mls followed by 30mls per day) OR **Advocin** injection (25mls per day for 4 days)
3. 4-10 mls **oxytocin** injection i.m. and strip udder 3 x per day
4. 25 mls **Flunixin** (Finadyne) per day if cow is at all sick (**OK to give in muscle**), or **Ketofen**.
5. If cow wobbly/ sunken eyes - call vet - may need a drip or other fluids.

Remember:

Withdrawal times may be longer with combined therapy or when medicines are not used in accordance with data sheets. If in doubt ask!

Collect and freeze samples from clinical cases for future bacteriology!