

Appendices

A P P E N D I X - 1.

DATE _____ FARM _____ PLACE _____

TIME _____ CASE NO. _____ SPECIES _____

COLOUR _____ BREED _____ CROSS % _____

DATE OF BIRTH _____ AGE _____

NO. OF LACTATIONS _____ PREGNANT/EMPTY _____

DATE OF LAST CALVING _____ MONTH OF LACTATION _____

TODAY'S AVERAGE MILK YIELD _____

MANAGEMENT _____

(Teat dips; milking techniques etc.)

ANY HISTORY _____

MODIFIED CALIFORNIA MASTITIS TEST:

1) Left fore quarter _____

2) Left hind quarter _____

3) Right fore quarter _____

4) Right hind quarter _____

RESULTS: _____

* Type of mastitis :- CLINICAL/SUBCLINICAL.

* Inflammation :- ACUTE/SUBACUTE/CHRONIC.

I. CLINICAL OBSERVATIONS:-

* ANY INJURY/ABNORMALITY _____

* PALPATION OF UDDER/LYMPH NODE _____

* ANY OTHER _____

II. MILK-PHYSICAL TESTS:

* COLOUR _____ * CONSISTENCY _____ * FLAKES _____

* PH _____ * ANY OTHER _____

III. CULTURAL TESTS:-

NO.	AGAR	COLONY CHARACTERS	STAINING REACTIONS
-----	------	-------------------	--------------------

FINAL RESULT: _____

IV. SENSITIVITY TEST (ZONE SIZE & REMARKS)

1. AM _____	2. C. _____
3. A _____	4. CX _____
5. DX _____	6. FX _____
7. GM _____	8. N _____
9. FD _____	10. NY _____
11. OL _____	12. OX _____
13. P _____	14. BA _____
15. S _____	16. TE _____
17. PIVIPOL _____	18. BETADINE _____

FINAL RESULT: _____

2005-2006 UNIVERSITY CHART

Based from University of Washington Hospital Practice,

Feb., 1970 V. T R E A T M E N T :-

NO.	(i) AMT	PIVIPOL/BETADINE OR	TILOX/GENTAVET	IN mm.
	DISC	mcg.		
(ii)	ANY OTHER			
(iii)	DOSE			
(iv)	DURATION OF TREATMENT			
(v)	IIND MCMT RESULT			
(vi)	RECOVERED/NOT			
(vii)	REMARKS			
1.	AMPCILLIN	AM	10	11-12
2.	CHLORAMPHENICOL	C	30	12-13
3.	CHLORTETRA CYCLINE	A	30	14
4.	CLOXACILLIN	CL/CX	1	15-16
5.	DOXYCYCLINE	DX	30	17
6.	FURAZOLIDONE	FX	100	18
7.	GENTAMICIN	G/GM	10	19
8.	NEOMYCIN	N	30	20
9.	NITROFURANTOIN	F/FD	300	21-22
10.	MYSTATIN	MY	100	23
11.	OLEANDOMYCIN	OC	15	24
12.	OXYTETRAMYCLINE	OX	30	25
13.	PENICILLIN G	P	10	26
14.	CO-TRIMOXAZOLE	BA	25	27
15.	STREPTOMYCIN	S	10	28
16.	TETRACYCLINE	TE	30	29
17.	PIVIPOL			
18.	BETADINE			

APPENDIX - 2.

ZONE-SIZE INTERPRETATION CHART

Reset from University of Washington Hospital Practice,
Feb., 1970 quoted by BRYANT (1981)

NO.	ANTIBIOTIC DISC	SYMBOL	CONTENT mcg.	ZONES IN mm.		
				R.	I.	S.
1.	AMPICILLIN	AM	10	11 or less.	12-13	14 or more.
				20	21-28	29 *
2.	CHLORAMPHENICOL	C	30	12	13-17	18
3.	CHLORTETRACYCLINE	A	30	14	15-18	19
4.	CLOXACILLIN	CL/CX	1	9	10-13	14
5.	DOXYCYCLINE	DX	30	14	15-18	19
6.	FURAZOLIDONE [®]	FX	100	-	-	-
7.	GENTAMICIN	G/GM	10	-	-	13
8.	NEOMYCIN	N	30	12	13-16	17
9.	NITROFURANTOIN	F/FD	300	14	15-16	17
10.	NYSTATIN [®]	NY	100 units.	-	-	-
11.	OLEANDOMYCIN	OL	15	11	12-16	17
12.	OXYTETRACYCLINE	OX	30	14	15-18	19
13.	PENICILLIN G	P	10 units.	11	12-21	22 [°]
				20	21-28	29 ^{oo}
14.	CO-TRIMOXAZOLE	BA	25	14	15-18	19
15.	STREPTOMYCIN	S	10	11	12-14	15
16.	TETRACYCLINE	TE	30	14	15-18	19
17.	PIVIPOL [®]			-	-	-
18.	BETADINE [®]			-	-	-

R = Resistant. I = Intermediate. S = Sensitive.

- * Gram-negative organisms and enterococci.
- ** Staphylococci and highly penicillin sensitive organisms.
 - o Other organisms.
 - oo Staphylococci.
- @ All these antibiotics, tentative standards were fixed according to Bailey and Scott (1966) and Kapur et al (1978)

DIAMETER OF ZONE	INTERPRETATION
Greater than 15 mm	Susceptible.
10 - 15 mm.	Intermediate.
Less than 10 mm.	Resistant.

PREPARATION OF PIVIPOL/BETADINE DISCS :-

A Whatman Filter Paper No.42, diameter 15 cms. and weighing 1.2218 gms. 5 mm discs were punched with a punching machine. 10 discs weighed 0.0182 gms. 50 discs were soaked in 0.2 ml. of Pivipol and Betadine solution. The discs were dried in incubator at 37°C for 1/2 hour and stored in labelled amber coloured bottles in refrigerator at 4 to 8°C.

A P P E N D I X - 3

No.	Name of drug	Content	Dose	Duration of treatment
1.	PIVIPOL Solution (1%)	Each 5 ml. contains Povidone Iodine -- USP -- 50 mg.	10 to 20 ml. per quarter per day. Upto 40 ml. per quarter per day.	1 day to 5 days. (Chronic Mastitis) 2 to 3 days.
2.	BETADINE Veterinary Solution. (5%)	5% Povidone Iodine--USP	10 ml. per quarter per day.	1 day to 5 days.
3.	TILOX vet. Ointment	75 mg. Ampicillin as Ampicillin Sodium. + 200 mg. Cloxacillin as Cloxacillin Sodium. B.P. (Vet) in 7 gm. of base.	1 tube per quarter per day	3 days.
4.	MASTALONE For mastitis Ointment.	Oxytetracycline HCL I.P. - 200 mg. Oleandomycin (as phosphate) 100 mg. Neomycin Sulphate I.P. equivalent to 100 mg. of Neomycin base. Prednisolone 5 mg. in 10 ml. base.	1 tube per quarter per day.	3 days.

No.	Name of drug	Content	Dose	Duration of treatment
5.	PENDISTRIN-SH Veterinary Ointment.	Procaine Penicillin G 1,00,000 i.u. streptomycin sulphate 100 mg. sulfamerazine 500 mg. Hydrocortisone 20 mg. in 6 ml.	1 tube per quarter b.i.d.	3 days.
6.	ALBERCILIN Vet. (Inj.)	sterile Ampicillin sodium I.P. 250 mg. or 1 gm. vial.	500 mg. per quarter b.i.d.	3 days.
7.	LYKACETIN-S (Inj.)	Chloramphenicol sodium succinate sterile - U.S.P. 1 gm. vial.	300 mg. per quarter per day.	4 days.
8.	TERRAMYCIN (Inj.)	Oxytetracycline HCL. 50 mg. per ml. (vials 10ml, 30ml, 100 ml.)	250 mg. per quarter o.i.d.	3 days.

No.	Name of drug	Content	Dose	Duration of treatment
9.	GENTAVET (Inj.)	Gentamicin Sulphate I.P. equivalent to 50 mg. (50,000 i.u.) of gentamicin per ml. (vial 2 ml.)	50 mg. per quarter per day.	4 days.
10.	ANTRIMA (Tab.)	Each tablet contains: Trimethoprim I.P. 80 mg. sulphadiazine I.P. 400 mg.	2 tabs. per quarter b.i.d.	3 days.

N.B. Dosages from 6 to 10 preparations were diluted/dissolved in 10 ml distilled water.