

CORTISOL STUDY

STUDY GROUP

BLOOD COLLECTION DATES			4/21/2005	4/22/2005	4/23/2005	4/25/2005	4/27/2005	4/29/2005	5/3/2005	
X indicates blood draw			DAY 1		DAY 3		DAY 7		DAY 12	
			AM	PM	AM	PM	AM	PM	AM	PM
TAG #	SALE #	DESCRIPTION & WT ORAL TF STABLE	1 OZ TF		1 OZ TF		1 OZ TF		1 OZ TF	
0-1	526	XBD STR wt 490#	X X 103.5 5cc EXL	X X 102.2	X X 102	X X 102	X X 102	X X 101.8	X X 101.8	
0-2	437	XBD HFR wt 355#	X X 102.6	X X 102.6	X X 102	X X 103	X X 103.6 A180 5cc EXCL 5cc BAN 5cc	X X 103	X X 102.5 EXCL 5cc	
0-3	51	XBD BULL wt 440#	X X 101.8	X X 102.2	X X 102	X X 102	X X 102.2	X X 101.8	X X 101.6	
0-4	444	XBD BULL wt 515#	X X 102.4	X X 101.8	X X 101.8	X X 101.8	X X 103 EXCL 5cc BAN 5cc	X X 101.8	X X 101.6	
0-5	1145	GREY BULL wt 505#	X X 103.2 EXCL 5cc	X X 101	X X 102	X X 102.5	X X 103 EXCL 5cc	X X 102	X X 101	
0-6	647	XBD STR wt 590#	X X 101	X X 102	X X 105 MIC 9cc BAN 5cc	X X 103	X X 101.9	X X 101.8	X X 102	
Total antibiotic used per day			EXCL 10cc	0	MIC 9cc BAN 5cc	0	EXCL 15cc A180 5cc BAN 10cc	0	EXCL 5cc	

Protocol:

1st 3 days-1 oz TF Stable P.O.
 Collect SERA for T4 & Cortisol am & pm
 days 1,2,3,5,7,9,12
 Day 1- Pouron Ivomec TSV-2
 Triangle 4 PH HS Myco bac
 Penicillin G 3cc/100#
 Day 12-Pyramid 4 (MLV)+Presponse
 H. Somnus
 Myco bac
 1 oz TF Stable P.O.

Optional

Day 1,12 Paired SERA for IBR,PI3 BVD
 BRSV
 Day 12 Ear notch PI, BVD in Formalin

Total antibiotic used

Excenel 30cc
 Micotil 9cc
 Banamine 15cc
 A180 5cc

Cattle purchased at Gallopolis, Ohio Auction; open
 castrated and shipped 200 miles to test farm

**Behavior at start: calves bawling stopped
 by 36 hours; slight interest in n feed (study group)**

**Behavior at end of test: calves content and full
 on full feed; only bawl when feed is delivered**