

CORTISOL STUDY

CONTROL 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 2		DAY 3		DAY 5		DAY 7		DAY 9		DAY 12	
			AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
TAG #	SALE #	DESCRIPTION & WT PLACEBO BOLUS	placebo		placebo		placebo						placebo			
0-7	189	XBD BULL wt 520#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			101		101		101		101.8		102.2		102		102	
0-8	552	XBD HFR wt 455#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			103.2		101		101		102		102.2		102		102.3	
			EXCL 5cc													
0-9	69	RED STR wt 520#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			105		102		102.6		102.4		102.6		102.4		102.6	
			EXCL 5cc				EXCL 5cc									
0-10	639	XBD STR wt 550#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			101		101		102		102		102.2		102.4		102.6	
									EXCL 5cc							
0-11	273	BLK-HFR wt 685#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			101.3		102		101		101.6		102		102		101.8	
0-12	591	RED HFR wt 530#	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			103.5		102		103.5		103		102		102.2		102	
							MIC 9cc									
		Total antibiotic used per day	EXCL 10cc				EXCL 5cc MIC 9cc				EXCL 5cc					

Protocol

1st 3 days bran bolus P.O.(placebo)

Collect SERA for T4 & Cortisol am & pm

days 1,2,3,5,7,9,12

Day 1- Pouron Ivomec TSV-2

Triange 4 PH HS Myco bac

Penicillin G 3cc/100#

Day 12: Pyramid 4 (ML LV)+Presprionse, H. Somnus

Myco bac, Bran bolus 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 20cc

Micotil 9cc

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

Behavior at start: calves bawling stopped **by 72 hours**: slight interest in feed (control group). Behavior at end of test: calves on full feed.

