

Table (1): BEF serum neutralizing antibody titers in vaccinated and inoculated cattle with Imidocarb and Diminazene aceturate

Animal Groups	Mean BEF serum neutralizing antibody titer #											
	1WPV ##	2WPV	2 nd Dose	1WPB ###	2WPB	3WPB	4WPB	1MPB ####	2MPB	3MPB	4MPB	5MPB
1	2	8		16	32	32	32	64	64	64	64	64
2*	4	16		32	64	64	64	128	128	128	64	128
3	2	4		8	16	16	32	8	16	8	16	16
4	4	16		32	32	64	64	128	128	64	128	128
5	2	4		8	16	16	16	8	16	16	16	16
6	2	8		16	32	32	64	64	64	64	64	64
7	2	4		8	8	16	8	16	8	8	8	8
8	0	0		0	0	0	0	0	0	0	0	0

Group -1= vaccinated with BEF vaccine only Group-2= vaccinated simultaneously with BEF vaccine and imidocarb(imizol)

Group-3= vaccinated simultaneously with BEF vaccine and diminazene Aceturate (berenil)

Group-4=vaccinated with BEF vaccine then injected with imizol by 1weeks Group-5= vaccinated with BEF vaccine then injected with berenil by1week

Group-6= injected with imizol then vaccinated with BEF vaccine after 2weeks

Group-7= injected with berenil then vaccinated with BEF vaccine after 2weeks Group-8 = non-vaccinated and non-injected and kept as control.

Mean BEF serum neutralizing antibody titer = the reciprocal of the final serum dilution which neutralized and inhibited the CPE of 100 TCID₅₀ of virus. BEF ## WPV= week post vaccination ### WPB= week post boosting

MPB= month post boosting * significant at $p \geq 0.05$

N.B: the protective antibody titer of inactivated BEF vaccine is 32