



Comparative analysis of intradermal tuberculin test and γ -interferon assay for diagnosis of bovine tuberculosis

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Supplementary Tables

Supplementary Table 1. Details of the animals tested for TST, blood samples collected for Whole Blood Stimulation, ELISPOT assay and diagrammatic representation of the tissue culture plate

Breed	Kankrej (n=79)			Gir (n=77)			Triple cross (n=96)			Total n=252
	Adults	Heifers	Calves	Adults	Heifers	Calves	Adults	Heifers	Calves	
Male	07	—	04	06	—	05	07	—	03	32
Female	32	35	1	35	25	6	37	38	11	220
(A)	Animals selected from the above animals for ELISPOT									
Female	—	08	—	—	09	—	—	06	—	23
(B)	Diagrammatic representation of the tissue culture plate used for Whole Blood Stimulation Assay									
Plate	A1	A2	A3	A4	A5					
	Sample 1	Sample 1	Sample 1	Sample 1	Sample 1					
	Media	ESAT-6	CFP-10	Whole Blood	Con A					

Supplementary Table 2. Prevalence of BTB by TST

Status	Breed			Age			Sex		Overall
	Kankrej	Gir	Triple cross	Adults	Heifers	Calves	Male	Female	
Infected (%)	13 (16.45)	30 (38.96)	23 (23.95)	47 (37.9)	11 (11.22)	8 (26.6)	18 (56.25)	48 (21.81)	66 (26.19)
Non infected (%)	66 (83.55)	47 (61.04)	73 (76.05)	77 (62.1)	87 (88.78)	22 (73.4)	14 (43.75)	172 (78.19)	186 (73.81)

Supplementary Table 3. Prevalence of BTB by IFN- γ assay

Status	Breed			Age			Sex		Overall
	Kankrej	Gir	Triple cross	Adults	Heifers	Calves	Male	Female	
Infected (%)	24 (30.37)	32 (41.55)	41 (42.70)	55 (44.35)	22 (22.44)	20 (66.66)	10 (31.25)	87 (39.54)	97 (38.49)
Non infected (%)	55 (69.63)	45 (58.45)	55 (57.30)	69 (55.65)	76 (77.56)	10 (33.34)	14 (68.75)	172 (60.46)	186 (61.51)

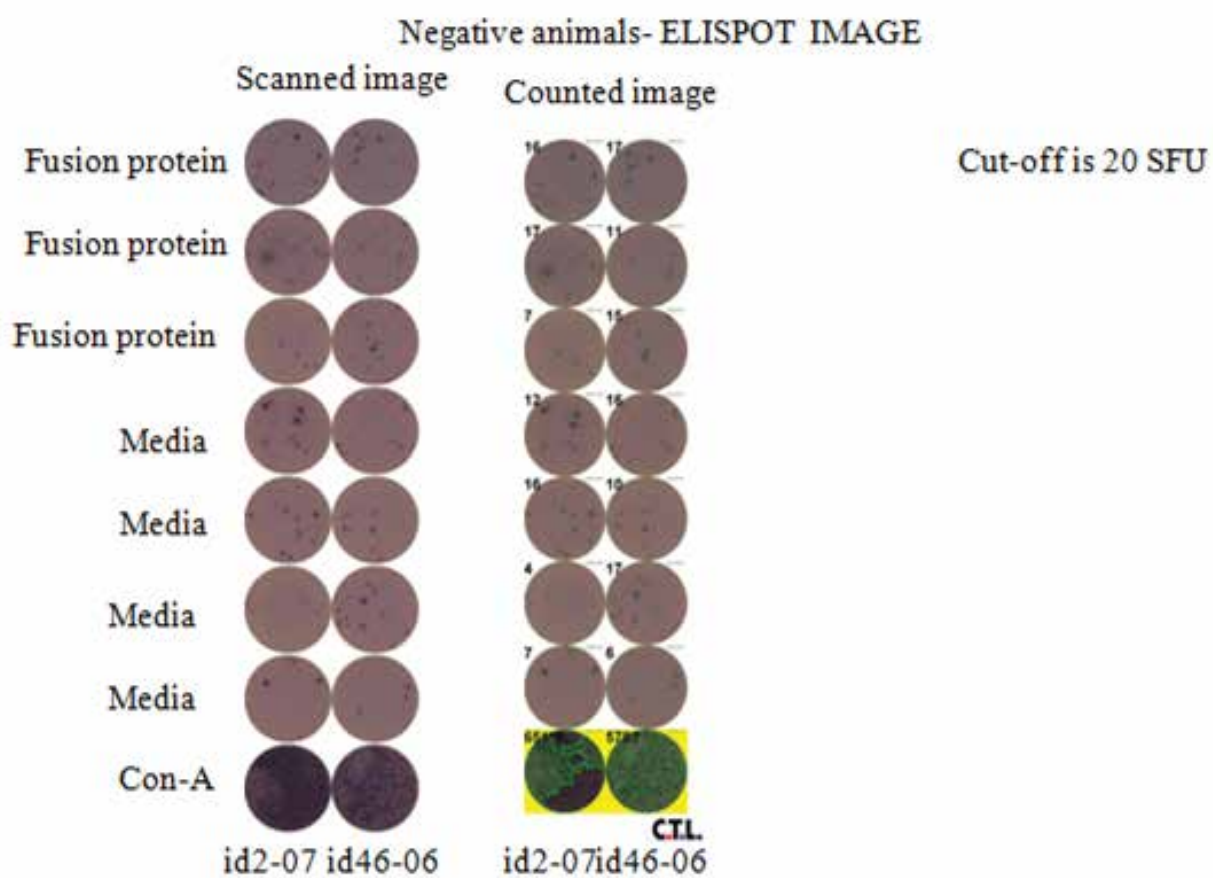
Supplementary Table 4. Overall comparison of TST and IFN- γ assay

Status	Overall		Adults		Heifers		Calves	
	TST	IFN- γ	TST	IFN- γ	TST	IFN- γ	TST	IFN- γ
Infected	66	97	47	55	11	22	08	20
Percentage	26.19	38.49	37.90	44.35	11.22	22.44	26.66	66.66
Non infected	186	155	77	69	87	76	22	10
Total	252	252	124	124	98	98	30	30

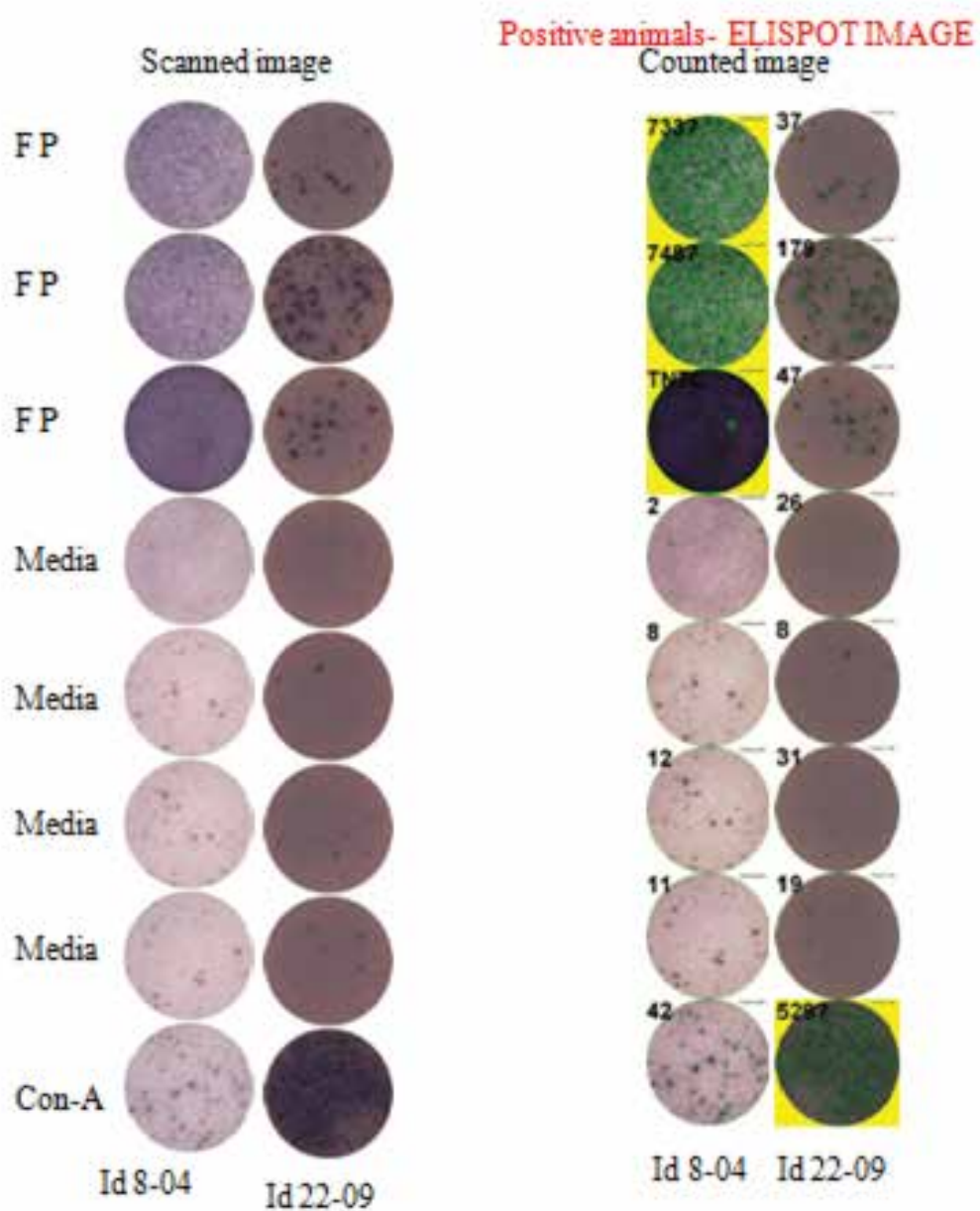
Supplementary Table 5. Overall breed-wise, age-wise and sex-wise prevalence by TST and IFN- γ assay with p value obtained by chi-square test

Status	Breed			Age			Sex	
	Kankrej	Gir	Triple cross	Adults	Heifers	Calves	Male	Female
Infected	31	54	60	86	31	28	22	123
Non infected	48	23	36	38	67	02	10	97
Prevalence	39.24	70.12	62.50	69.35	31.63	93.33	68.75	55.90
p value		0.0002			<0.0001		0.1697	

Supplementary Figure



Corrected Spot forming units = average of media spots – average antigen spots



Supplementary Fig. 1. ELISPOT images of negative and positive animals.