

<b>Details of disease/other screening tests at NDDB R&amp;D</b>				
<b>Category</b>	<b>Disease</b>	<b>Test</b>	<b>Type of sample</b>	
<b>Bacterial diseases</b>	<b>Bovine Brucellosis</b>	ELISA	Serum	
		PCR/ real-time PCR	Nasal secretions, vaginal secretions, milk, abortive tissues, Bacterial culture	
		Isolation	Nasal secretions, vaginal secretions, milk, abortive tissues	
	<b>Genital Campylobacteriosis</b>	Isolation	Preputial washing, vaginal wash	
		Real-time PCR	Preputial washing, vaginal wash	
	<b>Bovine tuberculosis</b>	Isolation	Nasal secretions, milk	
		Real-time PCR	Nasal, Tissue and milk samples	
		IGRA	Blood	
	<b>Bovine Paratuberculosis (Johne's disease)</b>	ELISA	Serum	
		Isolation	faecal samples	
	<b>Bovine leptospirosis</b>	ELISA	Serum	
		PCR	Milk, Abortive tissue	
	<b>Q fever</b>	ELISA	Serum	
		PCR	Milk, Abortive tissue	
	<b>Listeriosis</b>	PCR	Milk, Abortive tissue	
	<b>Bovine anaplasmosis</b>	ELISA	Serum	
PCR		Blood		
<b>Protozoan diseases</b>	<b>Trichomonosis</b>	Isolation	Preputial washing, vaginal wash	
		PCR/ real-time PCR	Preputial washing, vaginal wash	
	<b>Bovine neosporosis</b>	ELISA	Serum	
		PCR/ real-time PCR		
<b>Viral Diseases</b>	<b>IBR</b>	ELISA	Serum	
		Isolation	Nasal secretions, vaginal secretions, semen, abortive tissues	
		Real-time PCR	Nasal secretions, vaginal secretions, semen, abortive tissues	
	<b>BVD</b>	ELISA (Antigen and antibody)	Serum	
		RT-PCR/ real-time PCR	Serum, Blood, ear notch, abortive tissue	
		Isolation	Blood, abortive tissue	
	<b>FMD Antibody assay</b>	SPCE-ELISA (post-vaccination monitoring)	Serum	
		NSP-ELISA	Serum	
	<b>Bluetongue</b>	ELISA	Serum	
		RT-PCR	Blood	
	<b>Rabies</b>	Isolation	Brain tissue	
	<b>Enzootic bovine leukemia (bovine leukosis virus)</b>	RT-PCR/ LAMP	FTA card spotted brain tissue	
		ELISA	Serum	
	<b>Syndrom e diseases</b>	<b>Mastitis</b>	Isolation	Milk
			Molecular identification (Staphylococcus, Streptococcus, E. coli, Klebsiella, Pseudomonas)	Milk
			AMR-phenotypic	Bacterial isolate
AMR-Genotypic			Bacterial isolate	
<b>Others</b>	<b>Semen quality</b>	Microbial load	Semen	
	<b>A1A2 genotyping</b>	Sequencing	Blood	
	<b>Semen sexing</b>	Real-time PCR	Sorted sexed semen	