

Research Requirements - 2024- Division of Parasitology

Serial No.	Name of the Item	Specification	Pack size	Quantity	Bidder Response		If "No" Bidders	
					Yes	No	Specification	
1	Vacutainers	Purple cap, 10ml, plastic tubes coated with EDTA	100	500 (3packs)				
2	Vacutainers	Red Cap, 10ml, without anti-coagulant	100	500 (3 packs)				
3	Syringes	5ml, Plastic, Luer lock, Individually packed, sterile	100	1000 (10packs)				
4	Syringes	10ml, Plastic, Luer lock, Individually packed, sterile	100	500 (5packs)				
5	Disposable needles	18G	100	500 (5 packs)				
6	DNA Extraction Kits	For blood and tissue DNA extraction	250 reactions	4				
7	Microcentrifuge Tubes	Safe lock micro centrifuge tubes, 1.5 ml, Equivalent to Eppendorf, fit most common rotors and may be spun up to 30,000 RCF with lid closure at 20°C for 20 min, flat caps, leak free seal, Autoclavable at 120°C, DNA-, DNase-, and RNase-free,	3000 tubes	1000 x 3 tubes (3 pack)				
8	PCR Master Mix	Premixed, ready to use solution containing Taq DNA polymerase, dNTPs, MgCl ₂ and reaction buffers	250 reactions	500 (2 packs)				
9	PCR Tubes	0.2 ml , PCR grade, Autoclaveble tube with frosted flat cap tube	2500	500 x7 tubes (7packs)				
10	Eppendorf tubes	1.5 ml	1000 tubes/pac	1000 (1 pack)				
11	Micro-pipette tips for Sartorius pipettes	10µl, Without filter, single tray racks, DNAase and RNAase free, pre sterilized	96 tips	4000 tips				
		200µl, Without filter, single tray racks, DNAase and RNAase free, pre sterilized	96 tips	4000 tips				
		1000µl-20µl, Without filter, single tray racks, DNAase and RNAase free, pre sterilized	96 tips	4000 tips				
12	Babesia specific primer	F-AGAAACGGCTACCACATCCA	N/A	1 set of primers (F&R)				

		R-GCCCTCCAATTGTTACTCTGG						
13	<i>Babesia bovis</i> primers	F-CACGAGGAAGGAACTACCGATGTTGA R-CCAAGGAGCTTCAACGTACGAGGTCA	N/A	1 set of primers (F&R)				
14	<i>Babesia bigemina</i> primers	F-AGCTTGCTTTTCACTCGCC R-TTGGTGCTTTGACCGACGACAT	NA	1 set of primers (F&R)				
15	Red safe	For agarose gel preparation, loading dye, LED view compatible, stain color Red, concentration 6X, 1ml	N/A	2				
16	DNA ladder	Concentration 0.5 µg/µL, gel type- agarose, ready to load, volume 1ml, range 100bp-2000bp	N/A	3				
17	Agarose (powder) LE	100grams, Molecular biology grade, for use in the preparation of an electrophoresis gel for the analysis of nucleic acid and proteins with low electroendosmosis and high mobility	100grams	3				
18	Tis Base (Hydroxymethyl-aminomethane)	99-99.5%	1 kg	1				
19	18S RNA gene sequence	F-AGAAACGGCTACCACATCCA R-GCCCTCCAATTGTTACTCTGG		1 set of primers (F&R)				
20	18S RNA gene sequence	F-TGGAGGTCGTCATTTTCCGA R-CTCTGTCTGGACCTGGTGAG		1 set of primers (F&R)				
21	DNA extraction kits	250 reaction kits		4				
22	<i>B. Bovis</i> ELISA kits	Bovine, Babesia bovis specific antibody detection ELISA kits		2				
23	<i>B. bigemina</i> ELISA kits	Bovine, Babesia bigemina specific antibody detection ELISA kits		2				
24	Trehalose sugar	D (+) Trehalose dihydrate	2 kg					
25	<i>Babesia divergens</i> (18SRNA gene)	F- GTTTCTGMCCCATCAGCTTGAC R- CAATATTAACACCACGCAAAAATC		1 set of primers (F&R)				

26	<i>Babesia bovis</i> (<i>rap-1a</i> gene)	F-CACGAGGAAGGAACTACCGATGTTGA R- CCAAGGAGCTTCAACGTACGAGGTCA		1 set of primers (F&R)				
27	<i>Babesia bigemina</i> (<i>rap-1a</i> gene)	F-AGCTTGCTTTCACAACTCGCC R- TTGGTGCTTTGACCGACGACAT		1 set of primers (F&R)				
28	<i>Babesia ovata</i> (<i>AMA-1</i> gene)	F-GATACGAGGCTGTCGGTAGC R- AGTATAGGTGAGCATCAGTG		1 set of primers (F&R)				
29	<i>Babesia EU1</i> (<i>18SRNA</i> gene)	F-GCGCGCTACACTGATGCATT R- CAAAAATCAATCCCCGTCACG		1 set of primers (F&R)				
30	<i>Babesia microti</i> (<i>CCTeta</i> gene)	F-ACAATGGATTTTCCCCAGCAAAA R- GCGACATTTCCGGCAACTTATATA		1 set of primers (F&R)				
31	<i>Babesia major</i> (<i>CCTeta</i> gene)	F-CACTGGTGCCTGATCCAA R- TCCTCGAAGCATCCACATGTT		1 set of primers (F&R)				
32	<i>Babesia occultans</i> (<i>18SRNA</i> gene)	F-AAGCCATGCATGTCTAAGTATAAGCTTTT R- CTTCTCCTTCTTTAAGTGATAAGGTTTAC		1 set of primers (F&R)				
33	<i>Babesia mymensingh</i> (<i>AMA-1</i> gene)	F-TGGACCAGGTACATGATCAAGT R- AATCATCGTGCTGACGACCCCTTC		1 set of primers (F&R)				
34	Bovine anti-CD4-FITC	For Flowcytometry	0.1mg	1				
35	Bovine anti-CD8-alexafLOUR-647	For Flowcytometry	0.1mg	1				
36	Styrofoam box	12"x 6"x 12"		1				
37	Disposable microplates (96 well)	round U bottomed with plastic lid		1000				
38	Veronal Buffer	pH 7.4		1000 ml				
39	Primers	BEC-UF2		1 set of primers (F&R)				
39	(<i>Theileria equi</i>)	(5'TCGAAGAC GATCAGATACCGTCCG)						
		Equi-R						
		(5' TGCCTAAA CTCCTTCCTTGCGAT)						
40	Primers	BECUF2 (5'TCGAAGACGATCAGATACCGTCCG) Cab-R (5'CTCGTTCATGATTTAGAATTGCT)		1 set of primers (F&R)				
	(<i>Babesia caballi</i>)							
41	Freezer storage serum tubes with screw cap	5 ml		500				
42	Freezer storage box	For 5 ml serum storage freezer tubes		for 200 tubes				