

Annual Requirement CVIC - 2025			
Molecularbiology reagents			
S.N	Name of the item	Specifications	Pack size
1	Fwd VpPirA F:	TTG-GAC-TGT-CGA-ACC-AAA-CG	25 nMol
2	Rev VpPirA-R:	GCA-CCC-CAT-TGG-TAT-TGA-ATG	25 nMol
3	VpPirA Probe:	FAM-AGA-CAG-CAA-ACA-TAC-ACC-TATCAT-CCC-GGA-TAMRA	25 nMol
4	YHV1-12-qF	AGT-CTA-CAG-TGC-TCT-GAT-CT	25 nMol
5	YHV1-12-qR	GAT-TCT-TGA-AGC-GCA-TGA-GT	25 nMol
6	YHV1-12-qPr	FAM-TCT-CAT-GTG/ZEN/TCA-TGATAT-TCT-CAA-GCG-AGT-IABkFQ	25 nMol
7	Fwd WSS1011F	TGG-TCC-CGT-CCT-CAT-CTC-AG	25 nMol
8	Rev WSS1079R	GCT-GCC-TTG-CCG-GAA-ATT-A 25 nMol	25 nMol
9	Probe: WSSV	FAM-AGC-CAT-GAA-GAA-TGC-CGT-CTA-TCA-CAC-A-TAMRA	25 nMol
10	Fwd: TSV1004:	TTG-GGC-ACC-AAA-CGA-CAT-T	25 nMol
11	Rev: TSV1075	GGG-AGC-TTA-AAC-TGG-ACA-CAC-TGT	25 nMol
12	Probe: TSV-P1	FAM-CAG-CAC-TGA-CGC-ACA-ATA-TTC-GAG-CATC-TAMRA	25 nMol
13	Fwd IMNV412F	GGA-CCT-ATC-ATA-CAT-AGC-GTT-GCA	25 nMol
14	Rev IMNV545R	AAC-CCA-TAT-CTA-TTG-TCG-CTG-GAT	25 nMol
15	IMNV Capsid Probe	FAM- CCA-CCT-TTA-CTT-TCA-ATA-CTA-CAT-CAT-CCC-CGG-TAMRA	25 nMol
16	IHHNV1608F	TAC-TCC-GGA-CAC-CCA-ACC-A	25 nMol
17	IHHNV1688R	GGC-TCT-GGC-AGC-AAA-GGT-AA	25 nMol
18	IHHNV non-structural protein Probe	FAM-ACC-AGA-CAT-AGA-GCT-ACA-ATC-CTC-GCCTAT-TTG-TAMRA	25 nMol
19	D1V1 MCP142F	AAT-CCA-TGC-AAG-GTT-CCT-CAG-G	25 nMol
20	D1V1 MCP142R	CAA-TCA-ACA-TGT-CGC-GGT-GAA-C	25 nMol
21	D1V1 MCP Probe	FAM- CCA-TAC-GTG-CTC-GCT-CGG-CTT-CGG-TAMRA	25 nMol
22	A. astaci & A. fennicus F	AAG-GCT-TGT-GCT-GGG-ATG-TT	25 nMol
23	A. astaci & A. fennicus R	CTT-CTT-GCG-AAA-CCT-TCT-GCT-A	25 nMol
24	A. astaci & A. fennicus Probe	FAM-TTC-GGG-ACG-ACC-C-MGBNFQ	25 nMol
25	KHV-86f	GAC-GCC-GGA-GAC-CTT-GTG	25 nMol
26	KHV-163r	CGG-GTT-CTT-ATT-TTT-GTC-CTT-GTT	25 nMol
27	KHV-109p Probe	FAM-CTT-CCT-CTG-CTC-GGCGAG-CAC-G-TAMRA	25 nMol
28	CEFAS_F	ATG GAG TAT CCA AAG TAC TTA G	25 nMol
29	CEFAS_R	CTC TTC ACT ATT GTG ACT TTG	25 nMol
30	CEFAS_nF (Fish)	5'-GTT ATC AAT GAA ATT TGT GTA TTG-3'	25 nMol
31	CEFAS_nR (Fish)	5'-TAG CAA AGT ACT ACC TCA TCC-3'	25 nMol
32	RSIV 4-F (Fish)	5'-CGG-GGG-CAATGA- CGA-CTA-CA-3'	25 nMol
33	RSIV 4-R (Fish)5'-	5'-CCG-CCT-GTG-CCT-TTT-CTG-GA-3'	25 nMol
34	RSIV/ISKNV F-1(Fish)	5'-CTC-AAA-CAC-TCT-GGC-TCA-TC-3	25 nMol
35	RSIV/ISKNV R-1(Fish)	5'-GCA-CCA-ACA-CAT-CTC-CTATC-3'	25 nMol
36	VHS F (Fish)	5'-ATG-GAA-GGA-GGA-ATT-CGT-GAAGCG-3'	25 nMol
37	VHS R (Fish)	5'-GCG-GTG-AAG-TGC-TGC-AGT-TCC-C-3'	25 nMol
38	IHN F (Fish)5'-	5'-AGA-GAT-CCC-TAC-ACC-AGA-GAC-3'	25 nMol
39	IHN R (Fish)	5'-GGT-GGT-GTT-GTT-TCC-GTG-CAA- 3'	25 nMol
40	EHN M151 F (Fish)	5'-AAC-CCG-GCT-TTCGGG-CAG-CA-3'	25 nMol
41	EHN M152 R (Fish)	5'-CGG-GGC-GGG-GTTGAT-GAG-AT-3'	25 nMol
42	EUS F (Fish)	5'-TCA-TTG-TGA-GTG-AAA-CGG-TG-3'	25 nMol
43	EUS R (Fish)	5'-GGC-TAA-GGT-TTC-AGTATG-TAG-3'	25 nMol
44	TiLV ext-1 (Fish)	5-'-TATGCAGTACTTTCCCTGCC-3'	25 nMol
45	TiLV ext-2 (Fish)	5'-TTGCTCTGAGCAAGAGTACC-3'	25 nMol
46	TiLV ME1 (Fish)	5'-GTTGGGCACAAGGCATCCTA-3'	25 nMol
47	TiLV ME2 (Fish)	5'TATCACGTGCGTACTCGTTCAGT-3'	25 nMol

48	IVA D161M (Poultry)	5'-AGATGAGYCTTCTAACCGAGGTCG-3'	25 nMol
49	IvA D162M1 (Poultry)	5'-TGCAAAAACATCYTCAAGTCTCTG-3'	25 nMol
50	IvA D162M2 (Poultry)	5'-TGCAAACACATCYTCAAGTCTCTG-3'	25 nMol
51	IvA D162M3 (Poultry)	5'-TGCAAAGACATCYTCAAGTCTCTG-3'	25 nMol
52	IvA D162M4 (Poultry)	5'-TGCAAATACATCYTCAAGTCTCTG-3'	25 nMol
53	IvA D148H5 (Poultry)	5'-AAACAGAGAGGAAATAAGTGGAGTAAAAATT-3'	25 nMol
54	IvA D204f (Poultry)	5'-ATGGCTCCTCGGRAACCC-3'	25 nMol
55	IvA D149H5 (Poultry)	5'-AAAGATAGACCAGCTACCATGATTGC-3'	25 nMol
56	IvA D205r (Poultry)	5'-TTYTCCACTATGTAAGACCATTCCG-3'	25 nMol
57	FLI-H7 Fwd (Poultry)	5'- AYA GAA TAC AGA TWG ACC CAG T -3’	25 nMol
58	FLI-H7 Rev (Poultry)	5'- TAG TGC ACY GCA TGT TTC CA -3’	25 nMol
59	IvA D168H7	5'-ggATgggAAggTYTggTTgA-3’	25 nMol
60	IvA D169H7	5'-CCTCTCCTTgTgMATTTTgATg-3’	25 nMol
61	AI N1 1316F Fwd (Poultry)	5'-GYGGGAGCAGCATATCYTT-3’	25 nMol
62	AI N1 1379R Rev (Poultry)	5'-CCGTCTGGCCAAGACCAA-3’	25 nMol
63	H9 V2 Fwd (Poultry)	5'-ATGGGGTTTGCTGCC-3’	25 nMol
64	H9 V2 Rev3 (Poultry)	5'-ATATACAAATGTTGCAYCTGCA-3’	25 nMol
65	AI Type A -IVA Ma	FAM-TCAGGCCCCCTCAAAGCCGA-TAMRA	25 nMol
66	AI Duplex H5-IVA H5a	FAM-TCAACAGTGGCGAGTTCCTTAGCA-TAMRA	25 nMol
67	AI Duplex H5-IVA D215P	FAM-ATGTGTGACGAATTCMT -MGBNFQ	25 nMol
68	IvA Subtype H7 Probe	5’FAM-TgAAACCATACCACCCA-MGBNFQ3’	25 nMol
69	APHND 1F (Shrimp)	5'-CCT-TGG-GTG-TGC-TTA-GAG-GAT-G-3’	25 nMol
70	APHND 1R (Shrimp)	5'-GCA-AAC-TAT-CGC-GCA-GAA-CAC-C-3’	25 nMol
71	APHND 3-F (Shrimp)	5'-ATG-AGT-AAC-AAT-ATA-AAA-CAT-GAA-AC-3’	25 nMol
72	APHND 3-R (Shrimp)	5'-GTG-GTA-ATA-GAT-TGT-ACA-GAA-3’	25 nMol
73	NHPF2 (Shrimp)	5'-CGT-TGG-AGG-TTC-GTC-CTT-CAGT-3’	25 nMol
74	NHPR2 (Shrimp)	5'-GCC-ATG-AGG-ACC-TGA-CAT-CAT-C-3’	25 nMol
75	IMNV 4587F (Shrimp)	5'-CGA-CGC-TGC-TAA-CCA-TAC-AA-3’	25 nMol
76	IMNV 4914R (Shrimp)	5'-ACT-CGG-CTG-TTC-GAT-CAA-GT-3’	25 nMol
77	IMNV 4725 NF (Shrimp)	5'-GGC-ACA-TGC-TCA-GAG-ACA-3	25 nMol
78	IMNV 4863 NR (Shrimp)	5'-AGC-GCT-GAG-TCC-AGT-CTT-G-3’	25 nMol
79	TSV 9992F (Shrimp)	5'-AAG-TAG-ACA-GCC-GCG-CTT-3'	25 nMol
80	TSV 9195R (Shrimp)5	5'-TCA-ATG-AGA-GCT-TGG-TCC-3’	25 nMol
81	TSV 7171F (Shrimp)	5'-CGA-CAG-TTG-GAC-ATC-TAG-TG-3’	25 nMol
82	TSV 7511R (Shrimp)	5'-GAG-CTT-CAG-ACT-GCA-ACT-TC-3’	25 nMol
83	WSSV 146F1 (Shrimp)	5'-ACT-ACT-AAC-TTC-AGC-CTA-TCTAG-3’	25 nMol
84	WSSV 146R1 (Shrimp)5	5'-TAA-TGC-GGG-TGT-AAT-GTT-CTT-ACG-A-3’	25 nMol
85	WSSV 146F2 (Shrimp)	5'-GTA-ACT-GCC-CCT-TCC-ATC-TCC-A-3’	25 nMol
86	WSSV 146R2 (Shrimp)	5'-TAC-GGC-AGC-TGC-TGC-ACC-TTG-T-3’	25 nMol
87	YHV 10F (Shrimp)	5'-CCG-CTA-ATT-TCA-AAA-ACT-ACG-3’	25 nMol
88	144R: (Shrimp)	5'-AAG-GTG-TTA-TGT-CGA-GGA-AGT-3’	25 nMol
89	YHV GY1: (Shrimp)	5'-GAC-ATC-ACT-CCA-GAC-AAC-ATC-TG-3’	25 nMol
90	YHV GY4 (Shrimp)	5'-GTG-AAG-TCC-ATG-TGT-GTG-AGA-CG-3’	25 nMol
91	GY2 (Shrimp)	5'-CAT-CTG-TCC-AGA-AGG-CGT-CTA-TGA-3’	25 nMol
92	Y3: (Shrimp)	5'-ACG-CTC-TGT-GAC-AAG-CAT-GAA-GTT-3’	25 nMol
93	G6: (Shrimp)	5'-GTA-GTA-GAG-ACG-AGT-GAC-ACC-TAT-3’	25 nMol
94	Crayfish P BO 425	5'-GCT-TGT-GCT-GAG-GAT-GTT-CT-3’	25 nMol
95	Crayfish P BO 6405	5'-CTA-TCC-GAC-TCC-GCA-TTC-TG-3'	25 nMol
96	MrNV F (Prawn)	5'-GCG-TTA-TAG-ATG-GCA-CAA-GG-3’	25 nMol
97	MrNV R (Prawn)	5'-AGC-TGT-GAA-ACT-TCC-ACT-GG-3’	25 nMol
98	XSV F (Prawn)	5'-CGC-GGA-TCC-GAT-GAA-TAA-GCG-CAT-TAA-TAA-3’	25 nMol
99	XSV R (Prawn)	5'-CCG-GAA-TTC-CGT-TAC-TGT-TCG-GAG-TCC-CAA-3’	25 nMol
100	IHHNV 309F (Shrimp)	5'-TCC-AAC-ACT-TAG-TCA-AAA-CCA-A-3'	25 nMol
101	IHHNV 309R (Shrimp)	5'-TGT-CTG-CTA-CGA-TGA-TTA-TCC-A-3’	25 nMol
102	IHHNV 389F (Shrimp)	5'-CGG-AAC-ACA-ACC-CGA-CTT-TA-3’	25 nMol
103	IHHNV 389R (Shrimp)	5'-GGC-CAA-GAC-CAA-AAT-ACG-AA-3’	25 nMol
104	IHHNV MG831F (Shrimp)5’	5'-TTG-GGG-ATG-CAG-CAA-TAT-CT-3’	25 nMol
105	IHHNV MG831R (Shrimp)	5'-GTC-CAT-CCA-CTG-ATC-GGA-CT-3’	25 nMol

106	SHIV-F1 (D1V1)	5' GGG CGG GAG ATG GTG TTA GAT-3'(D1V1)	25 nMol
107	SHIV-R1 (D1V1)	5'-TCG TTT CGG TAC GAA GAT GTA-3' (D1V1)	25 nMol
108	SHIV-F2(D1V1)	5'-CGG GAA ACG ATT CGT ATT GGG-3'(D1V1)	25 nMol
109	SHIV-R2 (D1V1)	5'-TTG CTT GAT CGG CAT CCT TGA3'(D1V1)	25 nMol
110	CMNV-7F1	5'-AAATACGGCGATGACG-3'	25 nMol
111	CMNV-7R1	5'-ACGAAGTGCCCCACAGAC-3'	25 nMol
112	CMNV-7F2	5'-CACAACCGAGTCAAACC-3' 25	25 nMol
113	CMNV-7R2	5'- GCGTAAACAGCGAAGG-3'	25 nMol
114	KHV-AT3	5'-GTACGTGAGGAACACGGTCA-3'	25 nMol
115	KHV-AT4	5'-GTGTAGGTCTCGAAGCGGAC-3'	25 nMol
116	KHV TK F (Fish)	5'-GGG-TTA-CCT-GTA-CGA-G-3'	25 nMol
117	KHV TK R (Fish)	5'-CAC-CCA-GTA-GAT-TAT-GC-3'	25 nMol
118	KHV SPH F (Fish)	5'-GAC-ACC-ACA-TCT-GCA-AGG-AG-3'	25 nMol
119	KHV SPH R (Fish)	5'-GAC-ACA-TGT-TAC-AAT-GGT-CGC-3'	25 nMol
120	FMD Virus Forward	5'-CAG AGA TGT GGA AGA GCG CG-3'	25 nMol
121	FMD Virus Reverse	5'-GCG GAA CAG CGC TTT GTC C-3'	25 nMol
122	SVDV Forward	5'-TTC AGA ATG ATT GCA TAT GGG G-3'	25 nMol
123	SVDV Reverse	5'-TCA CGT TTG TCC AGG TTA CC-3'	25 nMol
124	VSV Indiana Forward	5'-GGT GTT GCA GAC TAT GTT GGA C-3'	25 nMol
125	VSV Indiana Reverse	5'-GGT GGT TAT TCC ATT TTT CG-3'	25 nMol
126	VSV New JerseyForward	5'-TTG GTT TGG AAC TTG GAT TC-3'	25 nMol
127	VSV New Jersey Reverse	5'-ACT CAT GCG GTA TTT ACC CTT G-3'	25 nMol
128	Aujeszkys disease Forward	5'-AAG TTC AAG GCC CAC ATC TA-3'	25 nMol
129	Aujeszkys disease Reverse	5'-TGA AGC GGT TCG TGA TGG-3'	25 nMol
130	Aujeszkys disease Probe	5'-FAM-CAA GAA CGT CAT CGT CAC GAC CG-BHQ-1-3'	25 nMol
131	TGEV Forward	5'-GTG GTT TTG GTY RTA AAT GC-3'	25 nMol
132	TGEV Reverse	5'-CAC TAA CCA ACG TGG ARC TA-3'	25 nMol
133	PEDV Forward	5'-TTC TGA GTC ACG AAC AGC CA-3'	25 nMol
134	PEDV Reverse	5'-CAT ATG CAG CCT GCT CTG AA-3'	25 nMol
135	Mccp-fwd	5'-TTT TTC AAG TGC AAA CGA CTA TG-3'	25 nMol
136	Mccp-rev	5'-TGA CTT GGG TGT TAG GAC CA-3'	25 nMol
137	Mccp-probe	5'-FAM-CGGATAGAACAATAGCT TTTACAGA-BHQ1-3'	25 nMol
138	PEV Forward	5'-GTG GCG ACA GGG TAC AGA AGA G-3'	25 nMol
139	PEV Reverse	5'-GGC CAG CCG CGA CCC TGT CAG-3'	25 nMol
140	PEV RT PCR 380 Forward	5'-TTG AGG ATC CTC CGG CCC CTG AAT GCG-3'	25 nMol
141	PEV RT PCR 380 Reverse	5' ATC TAA GCT TGT CAC CAT AAG CAG CCA-3'	25 nMol
142	PTRdRP PCR 384 Forward	5' - CAA AGA CTG GTC CTT CAT TG-3'	25 nMol
143	PTRdRP PCR 384 Reverse	5'-ATA CGC CGA GCG CGG AAG AT-3'	25 nMol
144	JVHEV Forward	5'-GGT GGT TTC TGG GGT GAC-3'	25 nMol
145	JVHEV Reverse	5'-AGG GGT TGG TTG GAT 3'	25 nMol
146	JVHEVProbe	5'-FAM-TGATTCT CAGCCCTTCGC-BHQ-3'	25 nMol
147	HEV ORF2 (forward)	5'-GTYATGYTYTGCATACATGGCT -3'	25 nMol
148	HEVORF2 (reverse)	5'-AGCCGACGAAA TYAATTCTGTC-3'	25 nMol
149	Primer-JEV-F	5'-GGGCCTTCTGGTGATGTTT-3'	25 nMol
150	Primer-JEV-R	5'-AAACCGCAGGAATVGTCAAT-3'	25 nMol
151	Probe-JEV	FAM-TCGCAAGAGGTGGACGGCCA-BHQ-1	25 nMol
152	ILTVgCU771 F	5'- CCT-TGC-GTT-TGA-ATT-TTT-CTG-T-3'	25 nMol
153	ILTVgCL873 R	5'-TTC-GTG-GGT-TAG-AGG-TCTGT-3'	25 nMol
154	ILTV probe817	5'-FAM-CAG-CTC-GGT-GAC-CCC-ATT-CTA-BHQ1-3'	25 nMol
155	MGFrt F	5'-TTG-GGT-TTA-GGG-ATT-GGG-ATT-3'	25 nMol
156	MGRtrr R	5'-CCA-AGG-GAT-TCA-ACC-ATC-3'	25 nMol
157	MGProbe	5'-Texas Red-TGA-TGA-TCC-AAG-AAC-GTG-AAG-AAC-ACC-BHQ1-3'	25 nMol
158	MSF	5'-CCT-CCT-TTC-TTA-CGG-AGT-ACA-3'	25 nMol
159	MSR	5'-CTA-AAT-ACA-ATA-GCC-CAA-GGC-AA-3'	25 nMol
160	MSProbe	5'-FAM-ATT-CTA-AAA-GCG-GTT-GTG-TAT-CGC-T-BHQ1-3	25 nMol
161	CppsOMP1-F	5'-CAC-TAT-GTG-GGAAGG-TGC-TTC-A-3'	25 nMol

162	CppsOMP1-R	5'-CTG-CGC-GGA-TGC-TAA-TGG-3'	25 nMol
163	MGB® probe CppsOMP1-S	FAM-CGC-TAC-TTG-GTG-TGA-C-TAMRA	25 nMol
164	DHPTYPE1 P3 F	5'-TGATGAGATATGGCAGGTAG AAGGA-3'	25 nMol
165	DHPTYPE1 P4 R	5'-CA CGCAAGCTGATTCACAATAGA-3'	25 nMol
166	DHPTYPE1 Probe	5'FAM-TGTGTTTCAGGATCCCC ATGTACTACCGTG-TAMRA-3'	25 nMol
167	One-step RT-PCR Master Mix	OneStep RT-PCR Enzyme Mix (1 x 200 µl), 5x OneStep RT-PCR Buffer (1 x 1 ml), dNTP Mix (1 x 200 µl 10 mM each), RNase-Free Water (2 x 1.9 ml)	100 reactions
168	QIAGEN Multiplex PCR kit	2x QIAGEN Multiplex PCR Master Mix (providing a final concentration of 3 mM MgCl2, 3 x 0.85 ml), 5x Q-Solution (1 x 2.0 ml), RNase-Free Water (2 x 1.7 ml)	100 reactions
169	Blood & Tissue DNA extraction kit (250)	DNeasy Kit (250), 250 DNeasy Mini Spin Columns, Proteinase K, Buffers AW 1, AW 2, Collection Tubes (2 ml) Silica technology	250 reactions
170	RNA extraction kit	RNeasy Mini Spin Columns, Collection Tubes, Buffer RW 1,Buffer RLT, Buffer RPE	250 reactions
171	Taq DNA Polymerase	25mM MgCl2 concentration, 5X Two reaction buffers, Green and Colorless, Taq DNA Polymerase 5u/µl, 100 unit	5u/µl
172	C DNA synthesis kit	RT enzyme, (200 U/µL)RNase Inhibitor (20 U/µL),5X Reaction Buffer 250 mM Tris-HCl (pH 8.3), 250 mM KCl, 20 mM MgCl2, 50 mM DTT, 10 mM dNTP Mix, Oligo(dT)18 Primer, 100 µM, Random Hexamer Primer, 100 µM, nuclease-free water	100 reactions
173	One-step Q- RT-PCR Master Mix	AgPath-ID One-Step RT-PCR Reagents (CSIRO standardized protocol) ArrayScript Reverse Transcriptase, AmpliTaq Gold polymerase, 2X RT-PCR buffer 100 reaction × 4	100 reactions
174	Taqman Universal PCR Master Mix	AmpliTaq Gold DNA Polymerase,ROX dye	1 x 5 mL
175	dNTP	10 mM dNTP Mix, mixture of four nucleotides (dATP, dCTP, dGTP, dTTP) in 0.6 mM Tris-HCl, for PCR, sequencing, cDNA synthesis	200ul
176	100 bp DNA ladder	Eleven Fragments: 100–1,000bp in 100bp Increments Plus a Band at 1,500bp,Load 5µl/lane, concentration of 0.13µg/µl ,6X Blue/Orange Loading Dye	200ul
177	Non toxic dye for PCR gel staining	Sensitive fluorescent dye ,Stable for up to 90 days at room temperature, Binds to single-stranded DNA, double-stranded DNA and RNA, Stain and visualize nucleic acids in agarose and polyacrylamide gels, Can be imaged with any standard imaging system, UV transillumination with a Polaroid or digital camera, GE ImageQuant or Bio-Rad Gel Doc Does not require prewashing or de-staining of gels	500ul