

Annual Requirement CVIC - 2024

Chemicals, Reagents, Media

S.N	Name of the item	Specifications	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
1	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	10		
2	6 X Loading Dye	6X, marker dye containing 0.4% orange G, 0.03% bromophenol blue, 0.03% xylene cyanol FF, 15% Ficoll® 400, 10mM Tris-HCl (pH 7.5) and 50mM EDTA (pH 8.0, ready-to-use form.	3ml	6		
3	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	20		
4	100 bp DNA ladder	sizing double -stranded DNA from 100 to 1500 bp1µg/µl	250/µl	4		
5	EDTA	0.5M Sterile ,biotechnology grade	100ml	5		
6	Triss	Molecular grade	500g	2		
7	Boric acid	Molecular biology grade	500g	2		
8	Nutrient agar	Oxoid or equivalent,Bacteriology	500g	2		
9	Sabouraud Dextrose agar	500 G Oxoid or equivalent,Bacteriology	500g	2		
10	MacConkey Agar	Oxoid or equivalent,Bacteriology	500g	2		
11	Xylose Lysine Deoxycholate (XLD) Agar	Oxoid or equivalent,Bacteriology	500g	1		
12	Buffered Peptone Water	Oxoid or equivalent,Bacteriology	500g	1		
13	Rappart and Vasiliadis enrichment broth	Oxoid or equivalent,Bacteriology	500g	1		

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14	Salmonella Polyvalent O antisera	Polyvalent antisera for the serotyping of Salmonella species according to O (somatic) antigens, Poly A-I+Vi	3 ml	2		
15	Absolute alcohol	99.96% alcohol, VBR	2.5L	2		
16	Anaerogen (AN0025A) packs	Anaerogen (AN0025A) packs	10/pack	2		
17	Formic acid	98% purity	2.5L	2		
18	E.coli Forward	5'- AAAACGGCAAGAAAAAGCAG-3'	25 nMol	1 vial		
19	E.coli Reverse	5'- ACGCGTGGTTAACAGTCTTGCG-3'	25 nMol	1 vial		
20	V. Cholerae F:	5'- GAATTATTGGCTC CTGTGCAGG-3'	25 nMol	1 vial		
21	V. Cholerae R:	5'-ATCGCTTGGCGCA TCACTGCCC-3'	25 nMol	1 vial		
22	CEFAS_F (Fish)	5'-ATG GAG TAT CCA AAG TAC TTA G-3'	25 nMol	1		
23	CEFAS_R (Fish)	5'-CTC TTC ACT ATT GTG ACT TTG-3'	25 nMol	1		
24	CEFAS_nF (Fish)	5'-GTT ATC AAT GAA ATT TGT GTA TTG-3'	25 nMol	1		
25	CEFAS_nR (Fish)	5'-TAG CAA AGT ACT ACC TCA TCC-3'	25 nMol	1		
26	RSIV 4-F (Fish)	5'-CGG-GGG-CAATGA- CGA-CTA-CA-3'	25 nMol	1		
27	RSIV 4-R (Fish)	5'-CCG-CCT-GTG-CCT-TTT-CTG-GA-3'	25 nMol	1		
28	RSIV/ISKNV F-1(Fish)	5'-CTC-AAA-CAC-TCT-GGC-TCA-TC-3'	25 nMol	1		
29	RSIV/ISKNV R-1(Fish)	5'-GCA-CCA-ACA-CAT-CTC-CTATC-3'	25 nMol	1		
30	VHS F (Fish)	5'-ATG-GAA-GGA-GGA-ATT-CGT-GAAGCG-3'	25 nMol	1		
31	VHS R (Fish)	5'-GCG-GTG-AAG-TGC-TGC-AGT-TCC-C-3'	25 nMol	1		
32	IHN F (Fish)	5'-AGA-GAT-CCC-TAC-ACC-AGA-GAC-3'	25 nMol	1		
33	IHN R (Fish)	5'-GGT-GGT-GTT-GTT-TCC-GTG-CAA- 3'	25 nMol	1		
34	EHN M151 F (Fish)	5'-AAC-CCG-GCT-TTCGGG-CAG-CA-3'	25 nMol	1		
35	EHN M152 R (Fish)	5'-CGG-GGC-GGG-GTTGAT-GAG-AT-3'	25 nMol	1		
36	EUS F (Fish)	5'-TCA-TTG-TGA-GTG-AAA-CGG-TG-3'	25 nMol	1		
37	EUS R (Fish)	5'-GGC-TAA-GGT-TTC-AGTATG-TAG-3'	25 nMol	1		
38	TiLV ext-1 (Fish)	5'-TATGCAGTACTTCCCTGCC-3'	25 nMol	1		
39	TiLV ext-2 (Fish)	5'-TTGCTCTGAGCAAGAGTACC-3'	25 nMol	1		
40	TiLV ME1 (Fish)	5'-GTTGGGCACAAGGCATCCTA-3'	25 nMol	1		
41	TiLV ME2 (Fish)	5'TATCACGTGCGTACTCGTTCAGT-3'	25 nMol	1		

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42	IVA D161M (Poultry)	5'-AGATGAGYCTTCTAACCGAGGTCG-3'	25 nMol	1		
43	IVA D162M1 (Poultry)	5'-TGCAAAAACATCYTCAAGTCTCTG-3'	25 nMol	1		
44	IVA D162M2 (Poultry)	5'-TGCAAACACATCYTCAAGTCTCTG-3'	25 nMol	1		
45	IVA D162M3 (Poultry)	5'-TGCAAAGACATCYTCAAGTCTCTG-3'	25 nMol	1		
46	IVA D162M4 (Poultry)	5'-TGCAAATACATCYTCAAGTCTCTG-3'	25 nMol	1		
47	IVA D148H5 (Poultry)	5'-AAACAGAGAGGAAATAAGTGGAGTAAAATT-3'	25 nMol	1		
48	IVA D204f (Poultry)	5'-ATGGCTCCTCGGRAACCC-3'	25 nMol	1		
49	IVA D149H5 (Poultry)	5'-AAAGATAGACCAGCTACCATGATTGC-3'	25 nMol	1		
50	IVA D205r (Poultry)	5'-TTYTCCACTATGTAAGACCATTCCG-3'	25 nMol	1		
51	FLI-H7 Fwd (Poultry)	5'- AYA GAA TAC AGA TWG ACC CAG T -3'	25 nMol	1		
52	FLI-H7 Rev (Poultry)	5'- TAG TGC ACY GCA TGT TTC CA -3'	25 nMol	1		
53	AI N1 1316F Fwd (Poultry)	5'-GYGGGAGCAGCATATCYTT-3'	25 nMol	1		
54	AI N1 1379R Rev (Poultry)	5'-CCGTCTGGCCAAGACCAA-3'	25 nMol	1		
55	H9 V2 Fwd (Poultry)	5'-ATGGGGTTTGCTGCC-3'	25 nMol	1		
56	H9 V2 Rev3 (Poultry)	5'-ATATACAAATGTTGCAYCTGCA-3'	25 nMol	1		
57	NA PRRSV F-1 (Swine)	5'-ATGATGRGCTGGCATTCT-3'	25 nMol	1		
58	NA PRRSV F-2 (Swine)	5'-ATRATGRGCTGGCATTCC-3'	25 nMol	1		
59	NA PRRSV R (Swine)	5'-ACACGGTCGCCCTAATTG-3'	25 nMol	1		
60	EU PRRSV F (Swine)	5'-GCACCACCTACCCAGAC-3'	25 nMol	1		
61	EU PRRSV R (Swine)	5'-CAGTTCCTGCGCCTTGAT-3'	25 nMol	1		
62	ASFV Fwd (Swine)	5'-CTGTCATGGTATCAATCTTATCGA-3'	25 nMol	1		
63	ASFV Rev: (Swine)	5'-GATACCACAAGATCRGCCGT-3'	25 nMol	1		
64	swine -parvo F (Swine)	5'-CATGGGCCAGCATCTACAGG-3'	25 nMol	1		
65	swine -parvo R (Swine)	5'-TGTTGGCTCGCTCCACGGCT-3'	25 nMol	1		
66	APHND 1F (Shrimp)	5'-CCT-TGG-GTG-TGC-TTA-GAG-GAT-G-3'	25 nMol	1		
67	APHND 1R (Shrimp)	5'-GCA-AAC-TAT-CGC-GCA-GAA-CAC-C-3'	25 nMol	1		
68	APHND 3-F (Shrimp)	5'-ATG-AGT-AAC-AAT-ATA-AAA-CAT-GAA-AC-3'	25 nMol	1		
69	APHND 3-R (Shrimp)	5'-GTG-GTA-ATA-GAT-TGT-ACA-GAA-3'	25 nMol	1		
70	NHPF2 (Shrimp)	5'-CGT-TGG-AGG-TTC-GTC-CTT-CAGT-3'	25 nMol	1		
71	NHPR2 (Shrimp)	5'-GCC-ATG-AGG-ACC-TGA-CAT-CAT-C-3'	25 nMol	1		

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72	IMNV 4587F (Shrimp)	5'-CGA-CGC-TGC-TAA-CCA-TAC-AA-3'	25 nMol	1		
73	IMNV 4914R (Shrimp)	5'-ACT-CGG-CTG-TTC-GAT-CAA-GT-3'	25 nMol	1		
74	IMNV 4725 NF (Shrimp)	5'-GGC-ACA-TGC-TCA-GAG-ACA-3'	25 nMol	1		
75	IMNV 4863 NR (Shrimp)	5'-AGC-GCT-GAG-TCC-AGT-CTT-G-3'	25 nMol	1		
76	TSV 9992F (Shrimp)	5'-AAG-TAG-ACA-GCC-GCG-CTT-3'	25 nMol	1		
77	TSV 9195R (Shrimp)	5'-TCA-ATG-AGA-GCT-TGG-TCC-3'	25 nMol	1		
78	TSV 7171F (Shrimp)	5'-CGA-CAG-TTG-GAC-ATC-TAG-TG-3'	25 nMol	1		
79	TSV 7511R (Shrimp)	5'-GAG-CTT-CAG-ACT-GCA-ACT-TC-3'	25 nMol	1		
80	WSSV 146F1 (Shrimp)	5'-ACT-ACT-AAC-TTC-AGC-CTA-TCTAG-3'	25 nMol	1		
81	WSSV 146R1 (Shrimp)	5'-TAA-TGC-GGG-TGT-AAT-GTT-CTT-ACG-A-3'	25 nMol	1		
82	WSSV 146F2 (Shrimp)	5'-GTA-ACT-GCC-CCT-TCC-ATC-TCC-A-3'	25 nMol	1		
83	WSSV 146R2 (Shrimp)	5'-TAC-GGC-AGC-TGC-TGC-ACC-TTG-T-3'	25 nMol	1		
84	YHV 10F (Shrimp)	5'-CCG-CTA-ATT-TCA-AAA-ACT-ACG-3'	25 nMol	1		
85	144R: (Shrimp)	5'-AAG-GTG-TTA-TGT-CGA-GGA-AGT-3'	25 nMol	1		
86	YHV GY1: (Shrimp)	5'-GAC-ATC-ACT-CCA-GAC-AAC-ATC-TG-3'	25 nMol	1		
87	YHV GY4 (Shrimp)	5'-GTG-AAG-TCC-ATG-TGT-GTG-AGA-CG-3'	25 nMol	1		
88	GY2 (Shrimp)	5'-CAT-CTG-TCC-AGA-AGG-CGT-CTA-TGA-3'	25 nMol	1		
89	Y3: (Shrimp)	5'-ACG-CTC-TGT-GAC-AAG-CAT-GAA-GTT-3'	25 nMol	1		
90	G6: (Shrimp)	5'-GTA-GTA-GAG-ACG-AGT-GAC-ACC-TAT-3'	25 nMol	1		
91	Crayfish P BO 42	5'-GCT-TGT-GCT-GAG-GAT-GTT-CT-3'	25 nMol	1		
92	Crayfish P BO 640	5'-CTA-TCC-GAC-TCC-GCA-TTC-TG-3'	25 nMol	1		
93	MrNV F (Prawn)	5'-GCG-TTA-TAG-ATG-GCA-CAA-GG-3'	25 nMol	1		
94	MrNV R (Prawn)	5'-AGC-TGT-GAA-ACT-TCC-ACT-GG-3'	25 nMol	1		
95	XSV F (Prawn)	5'-CGC-GGA-TCC-GAT-GAA-TAA-GCG-CAT-TAA-TAA-3'	25 nMol	1		
96	XSV R (Prawn)	5'-CCG-GAA-TTC-CGT-TAC-TGT-TCG-GAG-TCC-CAA-3'	25 nMol	1		
97	IHHNV 309F (Shrimp)	5'-TCC-AAC-ACT-TAG-TCA-AAA-CCA-A-3'	25 nMol	1		
98	IHHNV 309R (Shrimp)	5'-TGT-CTG-CTA-CGA-TGA-TTA-TCC-A-3'	25 nMol	1		
99	IHHNV 389F (Shrimp)	5'-CGG-AAC-ACA-ACC-CGA-CTT-TA-3'	25 nMol	1		
100	IHHNV 389R (Shrimp)	5'-GGC-CAA-GAC-CAA-AAT-ACG-AA-3'	25 nMol	1		
101	IHHNV MG831F (Shrimp)	5'-TTG-GGG-ATG-CAG-CAA-TAT-CT-3'	25 nMol	1		

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102	IHHNV MG831R (Shrimp)	5'-GTC-CAT-CCA-CTG-ATC-GGA-CT-3'	25 nMol	1		
103	Clostridium novyi type A-R (F)	5'- AGAATAAACAGAGCTGGAGATG-3'	25 nMol	1		
104	Clostridium novyi type A-R (R)	5'- CGCCTACTTGAAAAGTTACTC-3'	25 nMol	1		
105	Polyvalent Vibrio cholerae O antigen	Polyvalent Vibrio cholerae O antigen		1		
106	Vibrio parahaemolyticus irgB (F)	5'-CGATACACACCACGATCCAG-3'	25 nMol	1		
107	Vibrio parahaemolyticus irgB (R)	5' -ATACGGCCGGGGTGATGTTTCT-3'	25 nMol	1		
108	V. cholerae O139-rfb O139F2	5'-AGCCTCTTTATTACGGGTGG-3'	25 nMol	1		
109	V. cholerae O139-rfb O139R2	5'-GTCAAACCCGATCGTAAAGG-3'	25 nMol	1		
110	V. cholerae O1-rfb O1F2-1	5'-GTTTCACTGAACAGATGGG-3'	25 nMol	1		
111	V. cholerae O1-rfb O1R2-2	5'-GGTCATCTGTAAGTACAAC-3'	25 nMol	1		
112	Cholera toxin gene (ctxA) VCT1 Forward	5'- ACAGAGTGAGTACTTTGACC-3'	25 nMol	1		
113	Cholera toxin gene (ctxA) VCT2 Reverse	5'ATACCATCCATATATTTGGGAG-3'	25 nMol	1		
114	Vibrio vulnificus Forward	5' GTTTTACTCCTGACGCCAAAATTGTC 3'	25 nMol	1		
115	Vibrio vulnificus Reverse	5' GCGAATACGTTGTTTCACAGTACTG 3'	25 nMol	1		
116	CHROM agar Vibrio media	Microbiology grade	500g	1		
117	Ornithobacterium OR OR16S-Forward	5'-GAG AAT TAA TTT ACG GAT TAA G-3'	25 nMol	2		
118	Ornithobacterium OR OR16S-Reverse	5'-TTC GCT TGG TCT CCG AAG AT-3'	25 nMol	2		
119	Coxiella burnetii Forward '	5'-CGG GTT AAG CGT GCT CAG TAT GTA-3'	25 nMol	2		
120	Coxiella burnetii Reverse	5'-TGC CAC CGC TTT TAA TTC CTC CTC-3'	25 nMol	2		
121	SHIV-F1: (D1V1)	5' GGG CGG GAG ATG GTG TTA GAT-3'(D1V1)	25 nMol	1		
122	SHIV-R1: (D1V1)	5'-TCG TTT CGG TAC GAA GAT GTA-3' (D1V1)	25 nMol	1		
123	SHIV-F2: (D1V1)	5'-CGG GAA ACG ATT CGT ATT GGG-3'(D1V1)	25 nMol	1		
124	SHIV-R2: (D1V1)	5'-TTG CTT GAT CGG CAT CCT TGA3'(D1V1)	25 nMol	1		
125	CMNV-7F1:	5'-AAATACGGCGATGACG-3'	25 nMol	1		
126	CMNV-7R1:	5'-ACGAAGTGCCACAGAC-3'	25 nMol	1		

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127	CMNV-7F2:	5'-CACAAACCGAGTCAAACC-3'	25 nMol	1		
128	CMNV-7R2:	5'- GCGTAAACAGCGAAGG-3'	25 nMol	1		
129	CEV for B	5'-ATGGAGTATCCAAAGTACTTAG-3'	25 nMol	1		
130	CEV rev J	5'-CTCTTCACTATTGTGACTTTG-3'	25 nMol	1		
131	KHV-AT3	5'-GTACGTGAGGAACACGGTCA-3'	25 nMol	1		
132	KHV-AT4	5'-GTGTAGGTCTCGAAGCGGAC-3'	25 nMol	1		
133	KHV TK F (Fish)	5'-GGG-TTA-CCT-GTA-CGA-G-3'	25 nMol	1		
134	KHV TK R (Fish)	5'-CAC-CCA-GTA-GAT-TAT-GC-3'	25 nMol	1		
135	KHV SPH F (Fish)	5'-GAC-ACC-ACA-TCT-GCA-AGG-AG-3'	25 nMol	1		
136	KHV SPH R (Fish)	5'-GAC-ACA-TGT-TAC-AAT-GGT-CGC-3'	25 nMol	1		
137	Mycoplasma hyopneumoniae MH_Nested_R1_Up	5'GAGCCTTCAAGCTTCACCAAGA3'	25 nMol	2		
138	Mycoplasma hyopneumoniae MH_Nested_ R1_Do	5'TGTGTTAGTGACTTTTGCCACC3'	25 nMol	2		
139	Mycoplasma hyopneumoniae MH_Nested_R2_Up	5'ACTAGATAGGAAATGCTCTAGT3'	25 nMol	2		
140	Mycoplasma hyopneumoniae MH_Nested_R2_Do	5'GTGGACTACCAGGGTATCT3'	25 nMol	2		
141	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 reaction	6		
142	QIAGEN Multiplex PCR kit (100)	2x QIAGEN Multiplex PCR Master Mix (providing a final concentration of 3 mM MgCl ₂ , 3 x 0.85 ml), 5x Q-Solution (1 x 2.0 ml), RNase-Free Water (2 x 1.7 ml)	100 reaction	5		
143	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 reaction	4		
144	one-step qRT-PCR Master Mix	2XRT PCR buffer, 25XRT PCR enzyme mix, detection enhanzer, nuclease free water (0.2 µm filtered)	100 reaction	1		

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145	RNA extraction kit	RNeasy Mini Spin Columns, Collection Tubes, Buffer RW 1, Buffer RLT, Buffer RPE	250 reaction	2		
146	Taq DNA Polymerase	25mM MgCl ₂ concentration, 5X Two reaction buffers, Green and Colorless	5u/μl	5		
147	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 MgCl ₂ , 50 mM DTT, 10 mM dNTP Mix, Oligo(dT)18 Primer, 100 μM, Random Hexamer Primer, 100 μM, nuclease-free water	100 reaction	1		
148	Spring Viremia of Carp (SVC) detection kit -PCR	Detection Limit: 10 copies/reaction. Quantitative capability: 4 different levels of infection can be differentiated. Sample throughput: for 40 samples, from sample preparation to final results require 3.5 to 4 hours. Built-in internal control system: eliminate false negative results from failed extraction or reaction. Quantified positive standard: monitor the sensitivity of detection	200 reaction	1		
149	Taura Syndrome Virus (TSV)	Detection Limit: 10 copies/reaction. Quantitative capability: 4 different levels of infection can be differentiated. Sample throughput: for 40 samples, from sample preparation to final results require 3.5 to 4 hours. Built-in internal control system: eliminate false negative results from failed extraction or reaction. Quantified positive standard: monitor the sensitivity of detection	200 reaction	1		

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					Yes/ No	
150	Infectious Myonecrosis Virus (IMNV)	Detection Limit: 10 copies/reaction. Quantitative capability: 4 different levels of infection can be differentiated. Sample throughput: for 40 samples, from sample preparation to final results require 3.5 to 4 hours. Built-in internal control system: eliminate false negative results from failed extraction or reaction. Quantified positive standard: monitor the sensitivity of detection	201 reaction	1		
151	Tryptone Bile X-Glucuronide medium (TBX)	Microbiological media, as per ISO standard, Code: CM0945	500g	1		
152	Eosine Methylene Blue Agar	Microbiological media, as per ISO standard Code: CM0069	500g	1		
153	Baird –Parker Agar base	Microbiological media, as per ISO standard Code: CM0275	500g	1		
154	Sabouraud Dextrose Agar	Microbiological media, as per ISO standard Code: CM0041B	10 vials	1		
155	Fraser broth	Microbiological media, as per ISO standard Code: CM0895	500g	1		