



Client Korean Broadcasting Systems
Submission_date 1-Jul-19
Submission_format Whole shrimp tails in 70% ethanol
Report date 4-Jul-19
Shrimp species Unknown
Sample type Sixth abdominal segment with digestive tract, muscle and ethelial tissue
Assay name Shrimp MultiPath-Quantitative

Background: Commodity shrimp preserved in 70% ethanol. Shipped from South Korea. Testing does not meet requirements for import or export of commodity shrimp and is for R&D purposes only.

Sample ID	WSSV	HPV_HDV	MBV	IHHNV	PirA	PirB	EHP	TSV	IMNV	LSNV	MoV	YHV_1	YHV_2_GAV	YHV_3	YHV_4	YHV_5	YHV_6	YHV_7	NHP	TNA Control	RT Control	
Limit of detection (LOD)	4	4	4	4	64	4	8	8	8	32	4	8	4	8	64	8	8	4	16			
Quantitative range	16-1025	32-1025	64-513	16-1025	64-1025	4-256	128-1025	16-1025	803748	32-2050	16-2050	8-1025	128-1025	128-2050	64-1025	128-1025	128-2050	128-1025	64-1025			
1	Undet.	Undet.	Undet.	132	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	PASS	PASS	
2	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	65	PASS	PASS
3	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
4	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
5	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	203	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	218	PASS	PASS
6	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	94	PASS	PASS
7	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	203	PASS	PASS
8	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	175	PASS	PASS
9	Undet.	Undet.	Undet.	30	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	68	PASS	PASS
10	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	130	PASS	PASS
11	Undet.	Undet.	Undet.	17	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
12	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
13	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	581	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
14	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	84	PASS	PASS
15	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	111	PASS	PASS
16	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	675	PASS	PASS
17	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
18	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	96	PASS	PASS
19	Undet.	Undet.	Undet.	31	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	122	PASS	PASS
20	Undet.	Undet.	Undet.	19	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	118	PASS	PASS
21	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	113	PASS	PASS
22	LOW	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
23	Undet.	Undet.	Undet.	Undet.	428	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	162	PASS	PASS
24	Undet.	52	Undet.	20	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	115	PASS	PASS
25	Undet.	Undet.	Undet.	46	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
26	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	236	PASS	PASS
27	Undet.	Undet.	LOW	162	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	106	PASS	PASS
28	Undet.	Undet.	Undet.	32	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	105	PASS	PASS
29	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	128	PASS	PASS
30	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	282	PASS	PASS
31	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	208	PASS	PASS
32	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	332	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	LOW	PASS	PASS
33	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	410	PASS	PASS
34	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	155	PASS	PASS
35	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	75	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	650	PASS	PASS
36	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	76	PASS	PASS
37	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	75	PASS	PASS
38	Undet.	Undet.	Undet.	63	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	PASS	PASS
39	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	PASS	PASS
40	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	169	PASS	PASS
41	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	142	PASS	PASS
42	Undet.	Undet.	Undet.	LOW	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	96	PASS	PASS
43	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	PASS	PASS
44	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	Undet.	HIGH	PASS	PASS
CONTROL A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTROL B	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTROL C	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTROL D	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test results between LOD and lower value of quantitative range call as LOW
 Test results above upper value of quantitative range call as HIGH
 Undet. means undetermined, i.e. that pathogen was not detected in the sample
 Values are in copies of template per PCR
 PASS means the expected result was obtained
 Control A is a low copy number control (approximately 100 copies of template)
 Control B is a high copy number control (approximately 1,000 copies of template)
 Control C is a water control added at the extraction step (no template extraction control)
 Control D is a water control added at the PCR step (no template PCR control)