

### Decapod iridescent virus 1 Positive Control information

Name of the Institute	CSIRO Australian Center for Disease Preparedness
Contact information	<b>Dr Nick Moody</b> <b>Email: <a href="mailto:nick.moody@csiro.au">nick.moody@csiro.au</a></b> ACDP Fish Diseases Laboratory OIE Designated Expert for infections with YHV1, EHNV and Ranavirus
Address	5 Portarlington Road, East Geelong, VIC 3219, Australia Private Bag 24, Geelong VIC, 3220, Australia
Type of DIV1 positive control	Plasmid positive control specific for the DIV1 ATPase qPCR (Qiu et al, 2018)  Plasmid positive control specific for the DIV1 MCP qPCR (Qiu et al, 2020)
Note	References:  Qiu L, Chen M-M, Wan X-Y, Zhang Q-L, Li C, Dong X, Yang B, Huang J (2018) Detection and quantification of shrimp hemocyte iridescent virus by TaqMan probe based real-time PCR. Journal of Invertebrate Pathology 154, 95-101.  Qiu L, Chen X, Guo X-M, Gao W, Zhao R-H, Zhang Q-L, Yang B, Huang J (2020) A TaqMan probe based real-time PCR for the detection of Decapod iridescent virus 1. Journal of Invertebrate Pathology 173, Article 107367

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Name of the Institute	OIE Reference Laboratory for Infection with Macrobrachium rosenbergii nodavirus (white tail disease)  Aquatic Animal Health Laboratory, C.Abdul Hakeem College
Contact information	<b>Dr.A.S.Sahul Hameed</b> <b>Email: cah_sahul@hotmail.com</b> Coordinator Aquatic Animal Health Laboratory, C.Abdul Hakeem College, OIE Designated Expert for White Tail Disease
Address	Aquatic Animal Health Laboratory, C.Abdul Hakeem College, Melvisharam – 632509, Rranipet Dt., Tamilnadu, India Website: <a href="http://www.aahl.res.in">www.aahl.res.in</a> Mobile: +91-9443211604
Type of DIV1 positive control	Plasmid with whole sequence of MCP of DIV1
Note	Standardized single step and nested PCR using this plasmid as positive control to detect DIV1

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Name of the Institute	OIE Reference Laboratories for Infection with white spot syndrome virus and Infectious hypodermal and haematopoietic necrosis Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences
Contact information	Dr. Liang Qiu, <a href="mailto:qiuliang@ysfri.ac.cn">qiuliang@ysfri.ac.cn</a> Prof. Qing-Li Zhang, <a href="mailto:zhangql@ysfri.ac.cn">zhangql@ysfri.ac.cn</a> Ms. Xiao-Yuan Wan, <a href="mailto:wanxy@ysfri.ac.cn">wanxy@ysfri.ac.cn</a> Mariculture Disease Control and Molecular Pathology Laboratory
Address	#106, Nanjing Road Qingdao, Shandong 266071 P.R. China
Type of DIV1 positive control	DNA, plasmid, virus (need documents of the Customs quarantine permission from the import country)
Note	An MTA may be required

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Name of the Institute	OIE reference laboratory for viral haemorrhagic septicaemia (VHS) Aquatic Animal Quarantine (AAQ) Laboratory National Fishery Products Quality Management Service
Contact information	<b>Hyoung Jun Kim, Ph.D.</b> <b>Email:</b> <a href="mailto:hjkim1882@korea.kr">hjkim1882@korea.kr</a> OIE Designated Expert for VHS
Address	337, Haeyang-ro, Yeongdo-gu, Busan, 49111, Republic of Korea
Type of DIV1 positive control	Chimeric plasmid DNA for conventional nested PCR of Qiu et al. (2017) method
Note	<p>I can provide two types [chimeric plasmid DNA or live E.coli (on the agar plate) including the chimeric plasmid DNA] for the PCR positive control. And, please check the techniques on the two papers how to develop the chimeric plasmid DNA for conventional nested-PCR. It was included a function to distinguish the false-positive reaction from contamination of PCR positive control DNA.</p> <p>[1. Hyoung Jun Kim (2012) <a href="#">Improved diagnosis of spring viremia of carp by nested reverse-transcription PCR: Development of a chimeric positive control for prevention of false-positive diagnosis. Journal of Virological methods.</a></p> <p>2. Hyoung Jun Kim &amp; Se Ryun Kwon (2014) <a href="#">Development of a rapid method for identifying carryover contamination of positive control DNA, using a chimeric positive control and restriction enzyme for the diagnosis of white spot syndrome virus by nested PCR. Indian Journal of Microbiology.</a>]</p> <p>Finally, I want to make an MTA for the chimeric positive control of DIV-1 nested PCR.</p>