We do perform biological commissioning testing according to the IMO guidance BWM.2/Circ.70/Rev.1. NIVA’s testing procedures are approved by DNV as per enclosed certificate.

**Please take contact for availability and fill up the enclosed Excel-file for us to send you an appropriate quotation accordingly.**

**Information regarding testing operations and preparations;**

- Make sure that the one or two ballast water tanks used for this test are properly cleaned to avoid contamination of the discharge samples by organisms living in the sediments on bottom of the tanks prior to test start.

- Make sure that an approved sampling point downstream of BWMS is ready for NIVA’s sampling hose to be connected.

-Both the ballasting and discharge operations of the ballast water through the BWMS must be performed by the crew according to BWMS manufacturer’s instructions.

- Only sampling during discharge operation is mandatory, i.e. ballasting operation must have been completed on beforehand according to the claimed minimum retention time on the BWMS certificate.

- NIVA will send one biologist to the vessel with all necessary sampling equipment; including diaphragm valve with hose, 2x 200L bags, 1x 25L canister, plankton net and sampling bottles. Therefore, we need the sampling port dimensions to bring the right equipment (enclosed table).

-  NIVA will bring 3 boxes of equipment of 20 kg each. If the vessel is located at anchor, this must be lifted on board using a crane.

- NIVA will need assistance from the crew for connection of the sampling equipment to the vessel sampling point located downstream of the BWMS.

- NIVA will need help from crew to empty collected water during the sampling operation (1m3 total), either to bilge, pumped overboard or other appropriate location according to the vessel.

- NIVA will need access to the BWMS HMI during discharge operation for monitoring of BWMS parameters and help from the crew to download logging data after the operation is completed.

- NIVA will use approximately 4-5 hours on board to complete the testing operation (if no delays on the vessel), including set up of equipment, sampling and analysis.

- A report will be provided within two working days after sampling operation.

Please let us know if you need more information.