

In situ pumps to support GEOTRACES Research

Last updated: June 2021

An updated status of the in situ pumps to support GEOTRACES research is provided in the table below.

Nation / Laboratory	Number of pumps	Type (Challenger / McLane / MULVFS)	Head Diameter (mm)	Specific comments (e.g. support available, restrictions for lending, etc.)	Contact person (Name and e-mail address)
Australia (Marine National Facility and ACE CRC)	8 (6 MNF, 2 ACE CRC)	6 McLane WTS-LV dual flow (battery pack), 2 McLane WTS-LV standard (D cells)	6 x dual flow 142mm, 2 x single flow 142 mm	2 pumps owned by ACE CRC (Hobart), 6 pumps owned by Australian Marine National Facility and available to scientists funded for voyages on RV <i>Investigator</i> . Currently maintained by users from the ACE CRC. Unclear whether support from MNF will be available or who will pay for consumables (batteries) at this stage	Andrew.Bowie@utas.edu.au (ACE CRC) Tom.Trull@csiro.au (CSIRO) Don.McKenzie@csiro.au (Marine National Facility)
Brazil/ LABMAM at PUC-Rio'	1	McLane	Dual flow 142 mm	Pump owned by the INCT ProOceano	Renato Carreira carreira@puc-rio.br
CANADA/UBC-EOAS	7	McLane WTS-LV standard (D cells)	Dual flow 142mm	No formal support available.	Roger Francois, rfrancois@eos.ubc.ca Maureen Soon, msoon@eos.ubc.ca

CHINA/ State Key Laboratory of Marine Environmental Science (MEL), Xiamen University	8	McLane WTS-LV standard (24 drop-in D cell alkaline batteries)	Dual flow 142mm	Pumps owned by MEL and available to MEL scientists	Chen Weifang chenwf@xmu.edu.cn
FRANCE/DT INSU	5	McLane WTS-LV standard (D cells)	142mm (1 dual flow)	Pumps available to CNRS scientists; priority given to INSU funded projects	Emmanuel.de-saint-leger@dt.insu.cnrs.fr
Germany/AWI	5+1	Challenger + McLane Standard	142 mm	Priority to AWI projects	Walter Geibert walter.geibert@awi.de
ISRAEL/ Adi Torfstein, Hebrew University	1	McLane WTS-LV standard	142mm	No formal support available.	Adi Torfstein, adi.torf@mail.huji.ac.il
JAPAN/Hokkaido University	1	McLane WTS-LV upright (battery pack)	142mm	No formal support available.	Jun Nishioka, nishioka@lowtem.hokudai.ac.jp
South Africa/ A Roychoudhury, Stellenbosch University	2	McLane WTS-LV upright 4 l/mim D Cell 8 l/min battery pack	142mm	No formal support available.	A Roychoudhury roy@sun.ac.za
Taiwan/National Sun Yat Sen University (NSYSU)	1	McLane AS-P2	142 mm	Pump available to Taiwanese scientists; require insurance before use	Yuan-Pin Chang yuanpin.chang@mail.nsysu.edu.tw
Taiwan/Taiwan Ocean Research Institute (TORI)	1	McLane WTS-LV dual flow	Dual flow 142 mm	Pump available to Taiwanese scientists under TORI's lending regulation; require insurance and rent before use	Chiung-Jung Tseng chiungjung@narlabs.org.tw

USA/Phoebe Lam— UCSC	5	McLane WTS- LV standard (D cells)	Dual flow 142mm	No formal support available.	Phoebe Lam, pjam@ucsc.edu
USA/WHOI UNOLS pump pool	15	McLane WTS- LV upright (battery pack)	Dual flow 142mm	Pumps available to NSF- funded scientists; priority given to participants on UNOLS vessels	Steven Manganini, smanganini@whoi.edu