

## NERC Arctic Research Station Laboratory Equipment List

***If you can't see anything on this list that you might need, please contact the Station Manager ([ghil@bas.ac.uk](mailto:ghil@bas.ac.uk) or [arctic@bas.ac.uk](mailto:arctic@bas.ac.uk)) to discuss in the first instance.***

### Equipment:

- 2 x Chest freezers (minus 20°C) sparkfree 525L. (2019)
- Lab/Domestic cabinet fridge and freezer. Tri MCC.
- Spark free fridge 360L. (2019)
- Microscopes.
- Olympus CX43RF with 4-100x objective lens, camera and HD screen includes reflected Fluorescence illuminator LED light source for stained samples. (2019)
- Meiji binocular dissecting. Magnification 4.5. • Eye piece x 10 with cold light source.
- “Wild” standard compound microscope.
- Hanna HI-5521-02 pH/conductivity/TDS meter. (2019)
- KNF Vacuum pump N022AN.18 100mbar ultimate vacuum, 15l/min flow rate. (2019)
- Centrifuge 5702. Eppendorf. • Swing bucket rotor, A-4-38, 4 x 85ml buckets. • Adapter for 2 x 15ml Falcon tubes for 85ml bucket. • Adapter for 50ml Falcon tubes for 85ml bucket.
- Centrifuge micro refrigerated 5415R. Eppendorf. • Fixed angle rotor F-45-24-11, 24 x 1.5/2ml with polypropylene lid. • Fixed angle rotor, F-45-36-8, 36 x 0.5ml with aluminium lid.
- Centrifuge. NE 010G. Nickel Electro. 4 x 10ml test tubes.
- Microcentrifuge Sigma 1-14k. (2019)
- Mixer vortexer, SA8 Stuart. Variable speed.
- Bio spectrometer Eppendorf 14830301 200-830 nm 1nm bandwidth adjustment. (2019)
- Spectrophotometer. Visible. Helios Epsilon. 325 – 1,100 nm. 8nm bandwidth. • Tungston lamp. • Vision Lite software. Windows based software for Helios Epsilon Spectrophotometer
- Drying oven. Heraeus Function Line series 6000. Model UT6120 with air circulation.
- Water Purification System. Suez HP with 50L tank. 1 – 10 MΩcm quality water (Quality actually > at Station. (2019).
- Prestige Mini Autoclave 12L capacity Sterilise temperature 121°C . (2019)
- Monmouth Scientific CT800 recirculating fume cupboard. (2019)
- Monmouth Scientific MSC800 Microbiological Safety Cabinet. (2019)
- Extractor system. Nederman 2000. Carbon filter. Portable.
- Techne Hybrigene incubator HB-3D. (2019)
- Eppendorf Concentrator plus Complete. (2019)
- Bead Steriliser. (2019)
- Heated Magnetic Stirrer. (2019)
- Thermomixer Heat Block. (2019)
- Vortex with adapters. (2019)
- Water bath (Grant) x 2 • Water bath stirrer and heater (Gallenkamp) x 2
- Hot plate stirrer. Type B212.
- Mettler MS205DU Semi micro balance, readability to 0.01mg. (2019)
- Mettler ME2002E 2.2kg max weight, readability 0.01g. (2019)
- Sartorius balance. B3100P. Two decimal places.
- Shaker. Multipurpose. B&T MK11. Harvard LTE.
- Desiccators.