

ARMS Assembly



ARMS Deployment



ARMS Recovery



ARMS Disassembly

ARMS Water: MOTILE ORGANISMS

ARMS Plates: SESSILE ORGANISMS

Sieving through 3 sieve sizes: 106µm - 500µm - 2mm



2mm



500-µm



106-µm

Morphosorting to species

Concentrate Bulk Motile Fractions through 40-µm Mesh

Record Information

Rinse with 90% EtOH

Photograph

Transfer in 50-mL Falcon tubes (up to 10-mL of matter per tube) Preserve in 90% EtOH



Preservation 90% EtOH



Decantation

DNA Barcoding



Metabarcoding



Photographing Plates



Subsampling Sessile Colonies (optional step)



Plate Scraping



Fraction Homogenization by blending



Wash with filtered sea water through 40µm Mesh until fluid runs clear. Squeeze out water.



Dry and weigh rest of fraction. Freeze



10-mL in 50-mL 90% EtOH falcon tubes (x3) AND

10-mL in 50-mL DMSO falcon tubes (x3)

Metabarcoding