

SCSC Marine Laboratory Capabilities*

<u>Water Tray Equipment</u>
36 TENJI sea trays
Aerators/Bubblers
Temperature Controllers (Nema 4X Digital)
Finnex Titanium Heaters
Aqueon 300W Aquarium Heaters
Arctica titanium chillers
AquaLogic controller programmers
Aqua ultraviolet UV Sterilizers
<u>Experimental Seawater Module System:</u>
Apex Controller with pH, temperature, oxygen, and conductivity probes with web access capability (ability to manipulate temperature, pH and oxygen for 8 seawater trays)
CO2 Compressed Gas for Experimental Chamber pH manipulation
Tenji Insulated Flow Through Boxes
<u>General Instrumentation/Equipment</u>
Seabird HydroCAT CTD (2)
WETLabs In-situ Fluorometer with turbidity meter (with HydroCAT)
PhytoPAM - Multiple Excitation Wavelength Phytoplankton & Photosynthesis Analyzer
Turner Trilogy Benchtop Fluorometer
Chlorophyll filtration rig with 3 filter towers
Welch vacuum pump
YSI CTD sensor with handheld datalogger
Pinpoint pH Controllers
Thermo Scientific Cimarac Hot Plates
Metrohm pH meter
Ohaus Adventurer AR3130 Laboratory Precision Balance
Aqua Solutions Deionized and Reverse Osmosis Water Purification System
Percival LT-36VL Programmable Growth Chamber/Incubator
Incubator Genies
Bongo zooplankton sampler with cod end assemblies
General Oceanics flow meters (for Bongo sampler)
VanVeen grab sampler
Niskin-type vertical water samplers
Arctica benchtop water chillers
Fiber Reel Komelon Field Measuring Tapes
Rainwise Weather Station (online access)
Crab& Lobster Traps
Seine Net
Custom-built Large Plexi-glass Water Flume System with 10 chambers for Biomechanics
Custom-bulit Table Set-up with Plexi-gas basins for flow through experiments
<u>Dry Lab/Microscopes:</u>
Motic Dissecting Microscopes (Binocular)

Motic Dissecting Microscope (Trinocular)
Motic BA310E Compound Microscopes (Binocular)
Motic BA310E Compound Microscope (Trinocular)
Motic Regulated Illuminators (Light Source)
Mac computer with Motic imaging software
Centrifuges & Microcentrifuges
Vortex Genies
Pipetman pipettes (various sizes)
<i>*not an exhaustive list - more equipment available</i>