

Table S1. Chemistry assay methods and analytical precision applicable to sea star coelomic fluid and tank water based on quality control data.

Measurand	Analyzer	Assay Method	CV%
Calcium	Axcel	Arenazo III dye binding	2.4
Chloride	Axcel	ISE, indirect method, Nernst equation	2.0
Magnesium	ChemWell T	Xylidyl blue	2.3
Potassium	Axcel	ISE, indirect method, Nernst equation	2.3
Sodium	Axcel	ISE, indirect method, Nernst equation	2.0
Axcel (Alfa Wasserman Diagnostic Technologies, LLC, West Caldwell, New Jersey, USA) control material, Level I. ChemWell T analyzer (Awareness Technology Inc., Palm City, Florida, USA) with CataTrol quality control, Level II (Catachem, Inc., Oxford, Connecticut, USA).			