

ISO 17244:2025-07 (E)

Water quality - Determination of the toxicity of water samples on the embryo-larval development of the Japanese oyster (*Magallana gigas*) and the blue mussel (*Mytilus edulis* or *M. galloprovincialis*)

Contents	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	2
5 Test organisms and seawater.....	3
5.1 Spawning stock or mature bivalves.....	3
5.2 Reference seawater.....	3
5.2.1 General.....	3
5.2.2 Natural seawater.....	3
5.2.3 Artificial seawater.....	4
5.2.4 Hypersaline brine.....	4
6 Equipment.....	4
7 Reference substance.....	5
8 Test procedure.....	5
8.1 Collection, preparation and preservation of aqueous samples.....	5
8.2 Preparation of test samples.....	6
8.2.1 Chemicals.....	6
8.2.2 Aqueous samples.....	6
8.2.3 sediment or dredged material.....	6
8.3 Selection of concentration range.....	6
8.4 Collecting gametes.....	6
8.4.1 General.....	6
8.4.2 Thermal stimulation.....	7
8.4.3 Stripping the gametes.....	8
8.5 Measurement of egg density.....	8
8.6 Fertilization and inoculation of fertilized eggs.....	8
8.7 Incubation.....	9
8.8 Observation.....	9
8.9 Analytical measurements.....	10
8.10 Disposal of adults.....	10
9 Expression of results.....	10
10 Validity criteria.....	12
11 Test report.....	13
Annex A (informative) Overview of the test applied to the Japanese oyster <i>Magallana gigas</i>	14
Annex B (informative) Performance data.....	15
Annex C (informative) Protocol to perform the test in direct contact with sediment.....	21
Bibliography.....	23