

DIN ISO 10872:2012-10 (E)

Water quality - Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) (ISO 10872:2010)

Contents	Page
National foreword	3
National Annex NA (informative) Bibliography	5
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Principle	9
5 Reagents	9
6 Apparatus	11
7 Reference substance	12
8 Organisms	13
8.1 Test organism	13
8.2 Food organism	13
9 Stock- and pre-cultures	13
9.1 Stock cultures	13
9.2 Pre-culture	13
10 Procedure	14
10.1 Preparation of food medium	14
10.2 Preparation of test material and controls	14
10.3 Test	15
10.4 Nematode separation	15
10.5 Measurements and calculations	15
10.6 Timetable of the test	17
11 Validity criteria	18
12 Expression of results	18
13 Test report	19
Annex A (informative) Figures of adult worms <i>C. elegans</i>	20
Annex B (informative) Precision data	21
Bibliography	23