DIN EN ISO 17994:2014-06 (E)

Water quality - Requirements for the comparison of the relative recovery of microorganisms by two quantitative methods (ISO 17994:2014)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms, definitions and symbols 5
3.1 Terms and definitions 5
3.2 Symbols and abbreviated terms 7

4 Principle 7

5 Basic requirements for a comparison study 8
5.1 General 8
5.2 Description of methods 8
5.3 Types of samples 8
5.4 Number of samples and participating laboratories 9
5.5 Counting and confirming 11

6 Calculations 12
6.1 Preliminary editing of the raw data 12
6.2 Basic relative differences 12
6.3 Half-width of the confidence interval 13

7 Evaluation 13
7.1 Preliminary evaluations 13
7.2 Two-sided evaluation 14
7.3 One-sided evaluation 16

8 Test report 17

Annex A (informative) Flowchart 18

Annex B (informative) Comparison studies 19

Annex C (informative) Derivation of equation for calculation of the number of samples 21

Annex D (informative) Example of a two-sided evaluation 23

Bibliography 26