

ISO 13829:2000-03 (E)

Water quality - Determination of the genotoxicity of water and waste water using the umu-test

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 Scope | | 1 |
| 2 Normative reference | | 1 |
| 3 Terms and definitions | | 1 |
| 4 Principle | | 3 |
| 5 Test organism and reagents | | 3 |
| 6 Apparatus | | 5 |
| 7 Sample preparation and preservation | | 5 |
| 8 Interferences | | 6 |
| 9 Test performance | | 6 |
| 10 Measurements | | 8 |
| 11 Calculation and expression of results | | 9 |
| 12 Precision | | 10 |
| 13 Validity criteria | | 10 |
| 14 Test report | | 10 |
| Annex A (informative) General definitions and terms regarding genotoxicity | | 11 |
| Annex B (informative) Salmonella typhimurium TA1535/pSK1002 | | 12 |
| Annex C (informative) Composition of the sample and control wells | | 13 |
| Annex D (informative) Lowest value of the dilution series | | 14 |
| Annex E (informative) Checking the genotype | | 15 |
| Annex F (informative) Precision data from an interlaboratory study | | 16 |
| Annex G (informative) Final protocol for the umu-test | | 17 |
| Bibliography | | 18 |