ISO 16429:2004-07 (E)

Implants for surgery - Measurements of open-circuit potential to assess corrosion behav iour of metallic implantable materials and medical devices over extended time periods

Contents

Page

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Significance and application 2
4.1 Principle 2
4.2 Significance of the measurements 4
4.3 Application 4

5 Apparatus 5

6 Specimen preparation 5
6.1 Type of specimen 5
6.2 Surface preparation 6
6.3 Specimen mounting 6

7 Environmental conditions 6
7.1 General 6
7.2 Testing solution 6
7.3 Testing temperature 6
7.4 pH value 7
7.5 Aeration 7
7.6 Volume of testing solution 7

8 Test procedure 7
8.1 Set-up of test 7
8.2 Duration of test 7
8.3 Observations 7

9 Test report 8

Annex A (informative) Additional test solutions 9

Bibliography 10