

# ISO 10271:2011-08 (E)

## Dentistry - Corrosion test methods for metallic materials

---

| <b>Contents</b>    |  | <b>Page</b> |
|--------------------|--|-------------|
| Foreword .....     |  | iv          |
| Introduction ..... |  | v           |
| <b>1</b>           | <b>Scope .....</b>   | <b>1</b>    |
| <b>2</b>           | <b>Normative references .....</b>                                    | <b>1</b>    |
| <b>3</b>           | <b>Terms and definitions .....</b>                                   | <b>1</b>    |
| <b>4</b>           | <b>Test methods .....</b>  | <b>3</b>    |
| <b>4.1</b>         | <b>Static immersion test .....</b>                                   | <b>3</b>    |
| <b>4.2</b>         | <b>Electrochemical test .....</b>                                    | <b>6</b>    |
| <b>4.3</b>         | <b>Sulfide tarnish test (cyclic immersion) .....</b>                 | <b>12</b>   |
| <b>4.4</b>         | <b>Sulfide tarnish test (static immersion) .....</b>                 | <b>14</b>   |
| <b>4.5</b>         | <b>Static immersion test with periodic analysis .....</b>            | <b>16</b>   |
|                    | <b>Annex A (informative) Corrosion test method development .....</b> | <b>20</b>   |
|                    | <b>Bibliography .....</b>  | <b>26</b>   |