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## **Implants for surgery — Wear of total intervertebral spinal disc prostheses —**

Part 1:

### **Loading and displacement parameters for wear testing and corresponding environmental conditions for test**

*Implants chirurgicaux — Usure des prothèses totales de remplacement des disques intervertébraux lombaires —*

*Partie 1: Paramètres de charge et de déplacement pour essais d'usure et conditions environnementales correspondantes*



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## Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 18192-1 was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 5, *Osteosynthesis and spinal devices*.

This second edition cancels and replaces the first edition (ISO 18192-1:2008), of which it constitutes a minor revision. The main modifications are the introduction of the term "cycle limit" (an explicit statement that a different cycle limit can be used with appropriate justification) and the change of the required concentration of calf serum in the fluid test medium to 20 g protein/l.

ISO 18192 consists of the following parts, under the general title *Implants for surgery — Wear of total intervertebral spinal disc prostheses*:

- *Part 1: Loading and displacement parameters for wear testing and corresponding environmental conditions for test*
- *Part 2: Nucleus replacements*