
**Implants for surgery — Metallic
materials —**

**Part 11:
Wrought titanium 6-aluminium
7-niobium alloy**

Implants chirurgicaux — Produits à base de métaux —

*Partie 11: Alliage à forger à base de titane, d'aluminium 6 et de
niobium 7*

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Chemical composition	1
4 Microstructure	2
5 Mechanical properties	2
6 Test methods	2

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 150, *Implants for surgery*, Subcommittee SC 1, *Materials*.

This second edition cancels and replaces the first edition (ISO 5832-11:1994), which has been technically revised.

ISO 5832 consists of the following parts, under the general title *Implants for surgery — Metallic materials*:

- *Part 1: Wrought stainless steel*
- *Part 2: Unalloyed titanium*
- *Part 3: Wrought titanium 6-aluminium 4-vanadium alloy*
- *Part 4: Cobalt-chromium-molybdenum casting alloy*
- *Part 5: Wrought cobalt-chromium-tungsten-nickel alloy*
- *Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy*
- *Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy*
- *Part 8: Wrought cobalt-nickel-chromium-molybdenum-tungsten-iron alloy*
- *Part 9: Wrought high nitrogen stainless steel*
- *Part 11: Wrought titanium 6-aluminium 7-niobium alloy*
- *Part 12: Wrought cobalt-chromium-molybdenum alloy*
- *Part 14: Wrought titanium 15-molybdenum 5-zirconium 3-aluminium alloy*

Introduction

No known surgical implant material has ever been shown to be completely free of adverse reactions in the human body. However, long-term clinical experience of the use of the material referred to in this part of ISO 5832 has shown that an acceptable level of biological response can be expected, when the material is used in appropriate applications.

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