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Elastomeric parts for parenterals and for devices for pharmaceutical use —

Part 4:
Biological requirements and test methods

Éléments en élastomère pour administration parentérale et dispositifs à usage pharmaceutique —

Partie 4: Exigences biologiques et méthodes d'essai

Reference number
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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 8871-4 was prepared by Technical Committee ISO/TC 76, *Transfusion, infusion and injection equipment for medical and pharmaceutical use*.

This first edition, together with parts 1, 2, 3 and 5, cancels and replaces ISO 8871:1990 and ISO 8871:1990/Amd.1:1995, which has been technically revised.

ISO 8871 consists of the following parts, under the general title *Elastomeric parts for parenterals and for devices for pharmaceutical use*:

— *Part 1: Extractables in aqueous autoclavates*

— *Part 2: Identification and characterization*

— *Part 3: Determination of released-particle count*

— *Part 4: Biological requirements and test methods*

— *Part 5: Functional requirements and testing*

Introduction

The pharmaceutical industry requires, to an increasing extent, concrete details from the rubber manufacturer about the biological status of rubber closures as far as elastomeric closures are used as primary packaging materials in direct contact with the medicinal products. This request has been taken into account by preparing Annexes A to D of this part of ISO 8871.

Tests presented in this part of ISO 8871 can be taken into account as a guideline if the question of biological safety arises in context with primary packaging materials for pharmaceutical products. The use of certain tests of Annex A to Annex D in case of special applications of the packaging material should be agreed upon between users and manufacturers.