

SLOVENSKI STANDARD SIST EN 29997:2000

01-januar-2000

Dental cartridge syringes (ISO 9997:1990)			
Dental cartridge syringes (ISO 9997:1990)			
Karpulenspritzen in der Zahnheilkunde (ISO 9997:1990)			
Seringues a usage dentaire pour cartouches (ISO 9997:1990) EW			
Standards.iteh.ai) Ta slovenski standard je istoveten z: EN 29997:1992 SIST EN 29997:2000			
https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362- 8ca49cafb929/sist-en-29997-2000			
ICS:	000+)(dil0)2)	SEC-CI-27771-2000	
11.040.25	Injekcijske brizge, igle in katetri	Syringes, needles an catheters	
11.060.20	Z[à[ơ^@)ã}æ4[i]¦^{æ	Dental equipment	

SIST EN 29997:2000

en



iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 29997:2000 https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-8ca49cafb929/sist-en-29997-2000

EUROPEAN STANDARD

NORME EUROPEENNE

EUROPAISCHE NORM

EN 29997:1992

February 1992

UDC 615.437.3:616.314-089.5

Descriptors : Dentistry, dental equipment, syringes, anesthesia, dental injection cartridges, specifications, dimensions, tests, marking

English version

Dental cartridge syringes (ISO 9997:1990)

Seringues à usage dentaire pour cartouches (ISO 9997:1990)

Karpulenspritzen in der Zanheilkunde (ISO 9997:1990)

This European Standard was approved by CEN on 1992-02-13 and is identical to the ISO standard as referred to. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member. **iTeh STANDARD PREVIEW**

This European Standard exists **in three rofficial ver**sions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greéce, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization Comité Européen de Normalisation Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

(c) CEN 1992 Copyright reserved to all CEN members

Ref. No. EN 29997:1992 E



REPUBLIKA SLOVENIJA MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO Urad RS za standardizacijo in meroslovje LJUBLJANA SIST. EN 29997. PREVZET PO METODI RAZGLASITVE

-01- 2000

Page 2 EN 29997:1992

1003-000-00

351.00

FOREWORD

This European Standard has been taken over by CEN/TC 55)"Dental products" from the work of ISO/TC 106 "Dentistry" of the International Organization for standardization (ISO).

CEN/TC 55 decided to submit this document to the Unique Acceptance Procedure (UAP). The Result was positive.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Euxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom

iTeh STEndorsement Notice EVIEW

(standards.iteh.ai)

The text of the International Standard ISO 9997:1990 was approved by CEN as a European standard <u>without?@any2modification.</u> https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-

8ca49cafb929/sist-en-29997-2000

INTERNATIONAL STANDARD

ISO 9997

First edition 1990-11-01

Dental cartridge syringes

Seringues à usage dentaire pour cartouches iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 29997:2000 https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-8ca49cafb929/sist-en-29997-2000



Reference number ISO 9997:1990(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

International Standard ISO 9997 was prepared by Technical Committee ISO/TC 106, *Dentistry*.

> <u>SIST EN 29997:2000</u> https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-8ca49cafb929/sist-en-29997-2000

© ISO 1990

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization

Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

This International Standard specifies requirements for dental cartridge syringes with ISO metric threads only. However, attention is drawn to the existence of a variety of syringes with Imperial threads. Manufacturers currently producing syringes with Imperial threads are requested to change to ISO metric threads and 1992 has been set as a target date.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 29997:2000 https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-8ca49cafb929/sist-en-29997-2000



iTeh STANDARD PREVIEW (standards.iteh.ai) This page intentionally left blank

SIST EN 29997:2000 https://standards.iteh.ai/catalog/standards/sist/b8842e0e-8ae3-44ad-b362-8ca49cafb929/sist-en-29997-2000

Dental cartridge syringes

1 Scope

This International Standard specifies requirements and test methods for re-usable dental cartridge syringes of the aspirating, non-aspirating and selfaspirating types for use with dental local anaesthetics. This Standard does not apply to cartridge syringes having a mechanical-advantage action for creating high pressure.

Requirements

41 General

4.1.1 Loading and cartridge size

The cartridge shall be capable of being loaded either from the side or from the back (breech type). The syringe shall permit the appropriate size of local anaesthetic cartridge to be securely held and shall **iTeh STANDARI** be incapable of being dislodged during use

Normative references 2

(standards.ifestingaiall be carried out in accordance with 5.1.

The following standards contain provisions which 299974(1)2 Viewing through reference in this textst constitute provisions dards/sist/b8842e0e-8ae3-44ad-b362of this International Standard. At the time40f publicisten-2The7syringe shall have two opposed viewing ports

cation, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 261: 1973, ISO general purpose metric screw threads — General plan.

ISO 965-1:1980, ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 aspiration: Process by which blood or body fluid is drawn into an anaesthetic cartridge.

3.2 unit pack: Pack containing a dental cartridge syringe and, where appropriate, adaptors.

so that the solution being injected can be observed. One viewing port shall expose more than half the length of the cartridge and shall be positioned so that the stub-end of the needle is visible during use.

Testing shall be carried out in accordance with 5.1.

4.1.3 Needles (and needle mounting)

The syringe shall allow needles of diameters up to 0,65 mm to be used.

Testing shall be carried out in accordance with 5.1.

4.1.4 Plunger

The plunger rod shall be free-moving before and after the tests in 5.4, 5.5 and 5.6. When the rod is pulled fully out of an empty syringe held vertically, the plunger shall be capable of travelling freely and smoothly the whole length under the force of gravity in both vertical directions.

The cartridge end of the plunger rod shall contain either a permanently attached tip or a means of securing various plunger tips supplied by the manufacturer of the cartridge syringe.

Testing shall be carried out in accordance with 5.1.