



**International
Standard**

ISO 20342-5

**Assistive products for tissue
integrity when lying down —**

Part 5:

**Test method for resistance to
cleaning and disinfection**

*Produits d'assistance pour l'intégrité des tissus en position
allongée —*

*Partie 5: Méthode d'essai pour déterminer la résistance au
nettoyage et à la désinfection*

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Foreword

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A list of all parts in the ISO 20342 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Assistive products for tissue integrity (APTIs) play a very important role in the prevention and treatment of pressure injuries. Healthcare workers implement prevention and treatment strategies which include risk assessment, skin monitoring and repositioning. Guidance for their use can be found in the NPUAP/EPUAP/PPPIA Guidelines, “Prevention and Treatment of Pressure Ulcers: Clinical Practice Guideline”^[2].

It is common practice for APTIs to be cleaned and disinfected on a regular basis. Many cleaning and disinfection protocols exist today, and also new protocols are likely to be introduced in the future. One of the most frequently used protocols for disinfection is wiping the surface of the APTI with liquid disinfectants that can contain a multitude of active chemical ingredients. Some of these active chemicals can severely degrade the surface of the APTI, leading to a reduced or even a complete loss of some of its performance characteristics.

A typical change of performance caused by surface cleaning and disinfection with liquid cleaners or disinfectants is the degradation of the waterproof barrier of the APTI surface. This in turn can lead to microbial contamination in the APTI.

The test method described in this document provides an evaluation method to measure the resistance of the APTI surface to the liquid chemical cleaners or disinfectants used.

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