

醫療儀器的規管



Regulation of **Medical Devices**

List of Recognised Standards for Medical Devices

Recognised Standards: RS-01



中華人民共和國

香港特別行政區政府衛生署

Department of Health

Government of the Hong Kong Special Administrative Region

The People's Republic of China

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1. Introduction

Medical devices listed under the Medical Device Administrative Control System (MDACS) are required to meet the Essential Principles of Safety and Performance of Medical Devices¹. To determine whether a device meets these requirements, one way is to make use of standards issued by national and international standards writing organizations.

The Medical Device Control Office (MDCO) believes that conformance with recognised medical device standards, in whole or in part, can provide assurance of safety and effectiveness for those aspects of medical devices addressed by these standards. The list of recognised standards established provides a good reference for Local Responsible Persons (and their manufacturers) to demonstrate the safety and effectiveness of their products in listing applications. It also helps MDCO to ensure consistency in reviewing the listing applications, and save the manpower needed to review the actual test data for those aspects of the device addressed by the standards.

Nevertheless, not all requirements for listing a device may be addressed by recognised standards, especially for new types of devices and emerging technologies. In these cases, other supporting documentary evidence should be submitted for evaluation, which may involve relevant industrial or factory standards. Besides, it should be noted that conformance with certain recognised standards sometimes may not be sufficient to demonstrate a device's full compliance with the Essential Principles of Safety and Performance of Medical Devices for making regulatory decisions.

¹ Essential Principles of Safety and Performance of Medical Devices as described in the Technical Reference TR-004 Essential Principles of Safety and Performance of Medical Devices.

2. Basic Standards

2.1 Biological evaluation

ISO 10993-1:2009	Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process
ISO 10993-1:2009/ Cor1:2010	Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process - <i>Technical Corrigendum 1</i>
ISO 10993-2:2006	Biological evaluation of medical devices – Part 2: Animal welfare requirements
ISO 10993-3:2003	Biological evaluation of medical devices – Part 3: Tests for genotoxicity, carcinogenicity and reproductive toxicity
ISO 10993-4:2002	Biological evaluation of medical devices – Part 4: Selection of tests for interactions with blood
ISO 10993-4:2002/ Amd 1:2006	Biological evaluation of medical devices – Part 4: Selection of tests for interactions with blood – <i>Amendment 1</i>
ISO 10993-5:2009	Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity
ISO 10993-6:2007	Biological evaluation of medical devices – Part 6: Tests for local effects after implantation
ISO 10993-7:2008	Biological evaluation of medical devices – Part 7: Ethylene oxide sterilization residuals

ISO 10993-7:2008 / Cor 1:2009	Biological evaluation of medical devices – Part 7: Ethylene oxide sterilization residuals – <i>Technical Corrigendum 1</i>
ISO 10993-9:2009	Biological evaluation of medical devices – Part 9: Framework for identification and quantification of potential degradation products
ISO 10993-10:2010	Biological evaluation of medical devices – Part 10: Tests for irritation and skin sensitization
ISO 10993-11:2006	Biological evaluation of medical devices – Part 11: Tests for systemic toxicity
ISO 10993-12:2012	Biological evaluation of medical devices – Part 12: Sample preparation and reference materials
ISO 10993-13:2010	Biological evaluation of medical devices – Part 13: Identification and quantification of degradation products from polymeric medical devices
ISO 10993-14:2001	Biological evaluation of medical devices – Part 14: Identification and quantification of degradation products from ceramics
ISO 10993-15:2000	Biological evaluation of medical devices – Part 15: Identification and quantification of degradation products from metals and alloys
ISO 10993-16:2010	Biological evaluation of medical devices – Part 16: Toxicokinetic study design for degradation products and leachables
ISO 10993-17:2002	Biological evaluation of medical devices – Part 17: Establishment of allowable limits for leachable substances

ISO 10993-18:2005	Biological evaluation of medical devices – Part 18: Chemical characterization of materials
ISO 10993-19:2006	Biological evaluation of medical devices – Part 19: Physico-chemical, morphological and topographical characterization of materials
ISO 10993-20:2006	Biological evaluation of medical devices – Part 20: Principles and methods for immunotoxicology testing of medical devices
ISO/TR 15499: 2012	Biological evaluation of medical devices – Guidance on the conduct of biological evaluation within a risk management process

2.2 Clinical investigation

ISO 14155:2011	Clinical investigation of medical devices for human subjects – Good clinical practice
ISO 14155:2001/ Cor 1:2011	Clinical investigation of medical devices for human subjects – Good clinical practice – <i>Technical Corrigendum 1</i>

2.3 Quality management system (QMS)

ISO 13485:2003	Medical devices – Quality management systems – Requirements for regulatory purposes
ISO 13485:2003/ Cor 1:2009	Medical devices – Quality management systems – Requirements for regulatory purposes – <i>Technical Corrigendum 1</i>

2.4 Risk management

ISO 14971:2007 Medical devices – Application of risk management to medical devices

2.5 Symbols and labelling

ISO 15223-1:2012 Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements

ISO 15223-2:2010 Medical devices – Symbols to be used with medical device labels, labeling, and information to be supplied –
Part 2: Symbol development, selection and validation

EN 1041:2008 Information to be supplied by the manufacturer with medical devices

EN 15986:2011 Symbol for use in the labelling of medical devices – Requirements for labelling of medical devices containing phthalates

3. Group Standards

3.1 Absorbable implants (Biological evaluation)

ISO/TR 37137:2014 Biological evaluation of medical devices –
Guidance for absorbable implants

3.2 Animal tissue and their derivatives (Biological evaluation)

ISO 22442-1:2007 Medical devices utilizing animal tissues and their
derivatives – Part 1: Application of risk
management

ISO 22442-2:2007 Medical devices utilizing animal tissues and their
derivatives – Part 2: Controls on sourcing,
collection and handling

ISO 22442-3:2007 Medical devices utilizing animal tissues and their
derivatives – Part 3: Validation of the elimination
and/or inactivation of viruses and transmissible
spongiform encephalopathy (TSE) agents

ISO/TR
22442-4:2010 Medical devices utilizing animal tissues and their
derivatives – Part 4: Principles for elimination
and/or inactivation of transmissible spongiform
encephalopathy (TSE) agents and validation
assays for those processes

3.3 Aseptic processing of health care products

ISO 13408-1:2011 Aseptic processing of health care products – Part
1: General requirements

ISO 13408-1:2011/
Amd1:2013 Aseptic processing of health care products – Part
1: General requirements – *Amendment 1*

ISO 13408-2:2003	Aseptic processing of health care products – Part 2: Filtration
ISO 13408-3:2006	Aseptic processing of health care products – Part 3: Lyophilization
ISO 13408-4:2005	Aseptic processing of health care products – Part 4: Clean-in-place technologies
ISO 13408-5:2006	Aseptic processing of health care products – Part 5: Sterilization in place
ISO 13408-6:2005	Aseptic processing of health care products – Part 6: Isolator systems
ISO 13408-6:2005/ Amd 1:2013	Aseptic processing of health care products – Part 6: Isolator systems- <i>Amendment 1</i>
ISO 13408-7:2012	Aseptic processing of health care products – Part 7: Alternative processes for medical devices and combination products

3.4 Electrical equipment

IEC 60601-1:2005 +AMD1:2012 CSV Consolidated version (Ed. 3.1)	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance
IEC 60601-1-2:2014 (Ed. 4.0)	Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests
IEC 60601-1-4:2006 (Ed. 3.0)	Medical electrical equipment – Part 1-4: General requirements for safety – Collateral standard: Programmable electrical medical systems

- IEC 60601-1-6:2013 (Ed. 3.1) Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability
- IEC 60601-1-8:2012 (Ed. 2.1) Medical electrical equipment – Part 1-8: General requirements for safety – Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
- IEC 60601-1-9:2013 (Ed. 1.1) Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral standard: Requirements for environmentally conscious design
- IEC 60601-1-10:2013 (Ed 1.1) Medical electrical equipment – Part 1-10: General requirements for basic safety and essential performance – Collateral standard: Requirements for the development of physiologic closed-loop controllers
- IEC 60601-1-11:2010 Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

3.5 Human factor engineering

- IEC 62366:2007 Medical devices – Application of usability engineering to medical devices

3.6 In vitro diagnostic (IVD) medical devices

ISO 15193:2009	In vitro diagnostic medical devices -- Measurement of quantities in samples of biological origin -- Requirements for content and presentation of reference measurement procedures
ISO 15194:2009	In vitro diagnostic medical devices -- Measurement of quantities in samples of biological origin -- Requirements for certified reference materials and the content of supporting documentation
ISO 15198:2004	Clinical laboratory medicine -- In vitro diagnostic medical devices -- Validation of user quality control procedures by the manufacturer
ISO 17511:2003	In vitro diagnostic medical devices -- Measurement of quantities in biological samples -- Metrological traceability of values assigned to calibrators and control materials
ISO 18113-1:2009	In vitro diagnostic medical devices -- Information supplied by the manufacturer (labelling) -- Part 1: Terms, definitions and general requirements
ISO 18113-2:2009	In vitro diagnostic medical devices -- Information supplied by the manufacturer (labelling) -- Part 2: In vitro diagnostic reagents for professional use
ISO 18113-3:2009	In vitro diagnostic medical devices -- Information supplied by the manufacturer (labelling) -- Part 3: In vitro diagnostic instruments for professional use
ISO 18113-4:2009	In vitro diagnostic medical devices -- Information supplied by the manufacturer (labelling) -- Part 4: In vitro diagnostic reagents for self-testing

ISO 18113-5:2009	In vitro diagnostic medical devices -- Information supplied by the manufacturer (labelling) -- Part 5: In vitro diagnostic instruments for self-testing
ISO 18153:2003	In vitro diagnostic medical devices -- Measurement of quantities in biological samples -- Metrological traceability of values for catalytic concentration of enzymes assigned calibrators and control materials
ISO 19001:2013	In vitro diagnostic medical devices -- Information supplied by the manufacturer with in vitro diagnostic reagents for staining in biology
ISO 23640:2011	In vitro diagnostic medical devices -- Evaluation of stability of in vitro diagnostic reagents

3.7 Magnetic resonance environment

ASTM F2503-13	Standard practice for marking medical devices and other items for safety in the magnetic resonance environment
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3.8 Software

IEC 62304:2006	Medical device software – Software life cycle processes
IEC/TR 80002-1:2009	Medical device software – Part 1: Guidance on the application of ISO 14971 to medical device software
IEC/TR 80002-3:2014	Medical device software – Part 3: Process reference model of medical device software life cycle processes (IEC 62304)

3.9 Sterilization

ISO 11135:2014	Sterilization of health care products – Ethylene oxide – Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices
ISO 11137-1:2006	Sterilization of health care products – Radiation – Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices
ISO 11137-1:2006 / Amd1:2013	Sterilization of health care products – Radiation – Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices – <i>Amendment 1</i>
ISO 11137-2:2012	Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose
ISO 11137-3:2006	Sterilization of health care products – Radiation – Part 3: Guidance on dosimetric aspects
ISO 11138-1:2006	Sterilization of health care products – Biological indicators – Part 1: General requirements
ISO 11138-2:2006	Sterilization of health care products – Biological indicators – Part 2: Biological indicators for ethylene oxide sterilization processes
ISO 11138-3:2006	Sterilization of health care products – Biological indicators – Part 3: Biological indicators for moist heat sterilization processes
ISO 11138-4:2006	Sterilization of health care products – Biological indicators – Part 4: Biological indicators for dry heat sterilization processes

ISO 11138-5:2006	Sterilization of health care products – Biological indicators – Part 5: Biological indicators for low-temperature steam and formaldehyde sterilization processes
ISO 11139:2006	Sterilization of health care products – Vocabulary
ISO 11140-1:2005	Sterilization of health care products – Chemical indicators – Part 1: General requirements
ISO 11140-3:2007	Sterilization of health care products – Chemical indicators – Part 3: Class 2 indicator systems for use in the Bowie and Dick-type steam penetration test
ISO 11140-3:2007/ Cor 1:2007	Sterilization of health care products – Chemical indicators – Part 3: Class 2 indicator systems for use in the Bowie and Dick-type steam penetration test – <i>Technical Corrigendum 1</i>
ISO 11140-4:2007	Sterilization of health care products – Chemical indicators – Part 4: Class 2 indicators as an alternative to the Bowie and Dick-type test for detection of steam penetration
ISO 11140-5:2007	Sterilization of health care products – Chemical indicators – Part 5: Class 2 indicators for Bowie and Dick-type air removal tests
ISO 11607-1:2006	Packaging for terminally sterilized medical devices – Part 1: Requirements for materials, sterile barrier systems and packaging systems
ISO 11607-2:2006	Packaging for terminally sterilized medical devices – Part 2: Validation requirements for forming, sealing and assembly processes

ISO 11737-1:2006	Sterilization of medical devices – Microbiological methods – Part 1: Determination of a population of microorganisms on products
ISO 11737-1:2006/ Cor 1:2007	Sterilization of medical devices – Microbiological methods – Part 1: Determination of a population of microorganisms on products – <i>Technical Corrigendum 1</i>
ISO 11737-2:2009	Sterilization of medical devices – Microbiological methods – Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process
ISO/TS 13004:2013	Sterilization of health care products – Radiation – Substantiation of selected sterilization dose: Method VDMaxSD
ISO 14160:2011	Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives –Requirements for characterization, development, validation and routine control of a sterilization process for medical devices
ISO 14161:2009	Sterilization of health care products – Biological indicators – Guidance for the selection, use and interpretation of results
ISO 14937:2009	Sterilization of health care products – General requirements for characterization of a sterilizing agent and the development, validation and routine control of a sterilization process for medical devices
ISO 15882:2008	Sterilization of health care products – Chemical indicators – Guidance for selection, use and interpretation of results

ISO 17664:2004	Sterilization of medical devices – Information to be provided by the manufacturer for the processing of resterilizable medical devices
ISO 17665-1:2006	Sterilization of health care products – Moist heat – Part 1: Requirements for the development, validation and routine control of a sterilization process for medical devices
ISO/TS 17665-2:2009	Sterilization of health care products – Moist heat – Part 2: Guidance on the application of ISO 17665-1
ISO/TS 17665-3:2013	Sterilization of health care products – Moist heat – Part 3: Guidance on the designation of a medical device to a product family and processing category for steam sterilization
ISO 18472:2006	Sterilization of health care products – Biological and chemical indicators – Test equipment
ISO 20857:2010	Sterilization of health care products – Dry heat – Requirements for the development, validation and routine control of a sterilization process for medical devices
ISO 25424:2009	Sterilization of medical devices – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices
ASTM F1980 – 07(2011)	Standard Guide for Accelerated Aging of Sterile Barrier Systems for Medical Devices
EN 556-1:2001/AC:2006	Sterilization of medical devices – Requirements for medical devices to be designated “STERILE” – Part 1 Requirements for terminally sterilized medical devices

EN 556-2:2003

Sterilization of medical devices – Requirements for medical devices to be designated “STERILE” – Part 2 Requirements for aseptically processed medical devices

4. Product Standards

4.1 Acoustics and hearing aid devices

(a) Audiometric equipment

IEC 60645-1:2001	Audiometers. Pure-tone audiometers
IEC 60645-2:1993	Audiometers. Equipment for speech audiometry
IEC 60645-4:1994	Audiometers. Equipment for extended high-frequency audiometry
ISO 389-1:1998	Acoustics. Reference zero for the calibration of audiometric equipment. Reference equivalent threshold sound pressure levels for pure tones and supra-aural earphones
ISO 389-2:1994	Reference zero for the calibration of audiometric equipment. Reference equivalent threshold sound pressure levels for pure tones and insert earphones
ISO 389-3:1994	Electroacoustics. Audiometric equipment. Test signals of short duration
ISO 389-3:1994/ Cor 1:1995	Electroacoustics. Audiometric equipment. Test signals of short duration – <i>Technical Corrigendum 1</i>
ISO 389-4:1994	Acoustics. Reference zero for the calibration of audiometric equipment. Reference levels for narrow-band masking noise
ISO 389-5:2006	Acoustics. Reference zero for the calibration of audiometric equipment. Reference equivalent threshold sound pressure levels for pure tones in the frequency range 8 kHz to 16 kHz

ISO 389-6:2007	Reference zero for the calibration of audiometric equipment. Reference threshold of hearing for test signals of short duration
ISO 389-7:2005	Acoustics. Reference zero for the calibration of audiometric equipment. Reference threshold of hearing under free-field and diffuse-field listening conditions
ISO 389-8:2004	Reference zero for the calibration of audiometric equipment. Reference equivalent threshold sound pressure levels for pure tones and circumaural earphones
ISO 389-9:2009	Acoustics. Reference zero for the calibration of audiometric equipment. Preferred test conditions for the determination of reference hearing threshold levels
BS EN 60645-3:2007	Electroacoustics. Audiometric equipment. Test signals of short duration
BS EN 60645-5:2005	Electroacoustics. Audiometric equipment. Instruments for the measurement of aural acoustic impedance/admittance
BS EN 60645-6:2010	Electroacoustics. Audiometric equipment. Instruments for the measurement of otoacoustic emissions
BS EN 60645-7:2010	Electroacoustics. Audiometric equipment. Instruments for the measurement of auditory brainstem responses
(b) Hearing aids	
IEC 60318-1:2009	Electroacoustics - Simulators of human head and ear - Part 1: Ear simulator for the measurement of supra-aural and circumaural earphones

IEC 60318-3:1998	Electroacoustics - Simulators of human head and ear - Part 3: Acoustic coupler for the calibration of supra-aural earphones used in audiometry
IEC 60318-4:2010	Electroacoustics - Simulators of human head and ear - Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts
IEC 60318-5:2006	Electroacoustics - Simulators of human head and ear - Part 5: 2 cm ³ coupler for the measurement of hearing aids and earphones coupled to the ear by means of ear inserts
IEC 60318-6:2007	Electroacoustics - Simulators of human head and ear - Part 6: Mechanical coupler for the measurement on bone vibrators
IEC TS 60318-7:2011	Electroacoustics - Simulators of human head and ear - Part 7: Head and torso simulator for acoustic measurement of hearing aids
ISO 12124:2001	Acoustics -- Procedures for the measurement of real-ear acoustical characteristics of hearing aids

4.2 Anaesthetic, respiratory and reanimation equipment

(a) Airways and related equipment

ISO 11712:2009	Anaesthetic and respiratory equipment -- Supralaryngeal airways and connectors
ISO 11991:1995	Guidance on airway management during laser surgery of upper airway
ISO 16628:2008	Tracheobronchial tubes -- Sizing and marking
ISO 27427:2013	Anaesthetic and respiratory equipment -- Nebulizing systems and components

ISO 5361:2012	Anaesthetic and respiratory equipment -- Tracheal tubes and connectors
ISO 5362:2006	Anaesthetic reservoir bags
ISO 5364:2008	Anaesthetic and respiratory equipment -- Oropharyngeal airways
ISO 5366-1:2000	Anaesthetic and respiratory equipment -- Tracheostomy tubes -- Part 1: Tubes and connectors for use in adults
ISO 5366-3:2001	Anaesthetic and respiratory equipment -- Tracheostomy tubes -- Part 3: Paediatric tracheostomy tubes
ISO 5366-3:2001/ Cor 1:2003	Anaesthetic and respiratory equipment -- Tracheostomy tubes -- Part 3: Paediatric tracheostomy tubes- <i>Technical Corrigendum 1</i>
ISO 5367:2014	Anaesthetic and respiratory equipment -- Breathing sets and connectors
ISO 7376:2009	Anaesthetic and respiratory equipment -- Laryngoscopes for tracheal intubation
ISO 8836:2014	Suction catheters for use in the respiratory tract
(b) Breathing attachments and anaesthetic machines	
IEC 60601-2-13:2009	Medical electrical equipment - Part 2-13: Particular requirements for the safety and essential performance of anaesthetic systems
ISO 11195:1995	Gas mixers for medical use -- Stand-alone gas mixers
ISO 26825:2008	Anaesthetic and respiratory equipment -- User-applied labels for syringes containing drugs

	used during anaesthesia -- Colours, design and performance
ISO 5356-1:2004	Anaesthetic and respiratory equipment -- Conical connectors -- Part 1: Cones and sockets
ISO 5356-2:2012	Anaesthetic and respiratory equipment -- Conical connectors -- Part 2: Screw-threaded weight-bearing connectors
ISO 5358:1992	Anaesthetic machines for use with humans
ISO 5359:2014	Anaesthetic and respiratory equipment -- Low-pressure hose assemblies for use with medical gases
ISO 5360:2012	Anaesthetic vaporizers -- Agent-specific filling systems
ISO 80601-2-13:2011	Medical electrical equipment -- Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation
ISO 80601-2-35:2009	Medical electrical equipment -- Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use
ISO 80601-2-55:2011	Medical electrical equipment -- Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors
ISO 8835-7:2011	Inhalational anaesthesia systems -- Part 7: Anaesthetic systems for use in areas with limited logistical supplies of electricity and anaesthetic gases

ISO/TS 18835:2004 Inhalational anaesthesia systems -- Draw-over vaporizers and associated equipment

CSA Z168.3-97 (R2011) Anaesthetic Machines for Medical Use

(c) Lung ventilators and related equipment

IEC 60601-2-12:2011 Medical electrical equipment - Part 2-12: Particular requirements for the safety of lung ventilators - Critical care ventilators

ISO 10651-2:2004 Lung ventilators for medical use -- Particular requirements for basic safety and essential performance -- Part 2: Home care ventilators for ventilator-dependent patients

ISO 10651-3:1997 Lung ventilators for medical use -- Part 3: Particular requirements for emergency and transport ventilators

ISO 10651-4:2002 Lung ventilators -- Part 4: Particular requirements for operator-powered resuscitators

ISO 10651-5:2006 Lung ventilators for medical use -- Particular requirements for basic safety and essential performance -- Part 5: Gas-powered emergency resuscitators

ISO 10651-6:2004 Lung ventilators for medical use -- Particular requirements for basic safety and essential performance -- Part 6: Home-care ventilatory support devices

ISO 17510-2:2007 Sleep apnoea breathing therapy -- Part 2: Masks and application accessories

ISO 18778:2005 Respiratory equipment -- Infant monitors -- Particular requirements

ISO 23328-1:2003	Breathing system filters for anaesthetic and respiratory use -- Part 1: Salt test method to assess filtration performance
ISO 23328-2:2002	Breathing system filters for anaesthetic and respiratory use -- Part 2: Non-filtration aspects
ISO 23747:2007	Anaesthetic and respiratory equipment -- Peak expiratory flow meters for the assessment of pulmonary function in spontaneously breathing humans
ISO 26782:2009	Anaesthetic and respiratory equipment -- Spirometers intended for the measurement of time forced expired volumes in humans
ISO 26782:2009 / Cor 1:2009	Anaesthetic and respiratory equipment -- Spirometers intended for the measurement of time forced expired volumes in humans – <i>Technical Corrigendum 1</i>
ISO 80601-2-12:2011	Medical electrical equipment -- Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators
ISO 80601-2-12:2011 / Cor 1:2011	Medical electrical equipment -- Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators – <i>Technical Corrigendum 1</i>
ISO 80601-2-61:2011	Medical electrical equipment -- Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment
ISO 80601-267:2014	Medical electrical equipment -- Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment

ISO 80601-2-69:2014	Medical electrical equipment -- Part 2-69: Particular requirements for basic safety and essential performance of oxygen concentrator equipment
ISO 80601-2-70:2015	Medical Electrical Equipment -- Part 2-70: Particular requirements for basic safety and essential performance of sleep apnoea breathing therapy equipment
ISO 8185:2007	Respiratory tract humidifiers for medical use -- Particular requirements for respiratory humidification systems
ISO 9360-1:2000	Anaesthetic and respiratory equipment -- Heat and moisture exchangers (HMEs) for humidifying respired gases in humans -- Part 1: HMEs for use with minimum tidal volumes of 250 ml
ISO 9360-2:2001	Anaesthetic and respiratory equipment -- Heat and moisture exchangers (HMEs) for humidifying respired gases in humans -- Part 2: HMEs for use with tracheostomized patients having minimum tidal volumes of 250 ml
ISO/IEEE 11073-10404:2010	Health informatics -- Personal health device communication -- Part 10404: Device specialization -- Pulse oximeter

(d) Medical gas systems

ISO 10083:2006	Oxygen concentrator supply systems for use with medical gas pipeline systems
ISO 10524-1:2006	Pressure regulators for use with medical gases -- Part 1: Pressure regulators and pressure regulators with flow-metering devices
ISO 10524-2:2005	Pressure regulators for use with medical gases -- Part 2: Manifold and line pressure regulators

ISO 10524-3:2005	Pressure regulators for use with medical gases -- Part 3: Pressure regulators integrated with cylinder valves
ISO 10524-3:2005	Filtration and information to be supplied by the manufacturer
ISO 10524-3:2005 / Amd 1:2013	Filtration and information to be supplied by the manufacturer – <i>Amendment 1</i>
ISO 10524-4:2008	Pressure regulators for use with medical gases -- Part 4: Low-pressure regulators
ISO 11117:2008	Gas cylinders -- Valve protection caps and valve guards -- Design, construction and tests
ISO 11117:2008 / Cor1:2009	Gas cylinders -- Valve protection caps and valve guards -- Design, construction and tests – <i>Technical Corrigendum 1</i>
ISO 11197:2004	Medical supply units
ISO 15001:2010	Anaesthetic and respiratory equipment -- Compatibility with oxygen
ISO 15002:2008	Flow-metering devices for connection to terminal units of medical gas pipeline systems
ISO 16571:2014	Systems for evacuation of plume generated by medical devices
ISO 18082:2014	Anaesthetic and respiratory equipment -- Dimensions of non-interchangeable screw-threaded (NIST) low-pressure connectors for medical gases
ISO 18777:2005	Transportable liquid oxygen systems for medical use -- Particular requirements

ISO 19054:2005	Rail systems for supporting medical equipment
ISO 21969:2009	High-pressure flexible connections for use with medical gas systems
ISO 32:1977	Gas cylinders for medical use -- Marking for identification of content
ISO 407:2004	Small medical gas cylinders -- Pin-index yoke-type valve connections
ISO 7396-1:2007	Medical gas pipeline systems -- Part 1: Pipeline systems for compressed medical gases and vacuum
ISO 7396-1:2007/ Amd 1:2010	Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses
ISO 7396-1:2007/ Amd 3:2013	Terminology relating to alarm systems
ISO 7396-2:2007	Medical gas pipeline systems -- Part 2: Anaesthetic gas scavenging disposal systems
ISO 9170-1:2008	Terminal units for medical gas pipeline systems -- Part 1: Terminal units for use with compressed medical gases and vacuum
ISO 9170-2:2008	Terminal units for medical gas pipeline systems -- Part 2: Terminal units for anaesthetic gas scavenging systems
(e) Suction devices for hospital and emergency care use	
ISO 10079-1:1999	Medical suction equipment -- Part 1: Electrically powered suction equipment -- Safety requirements

ISO 10079-2:2014	Medical suction equipment -- Part 2: Manually powered suction equipment
ISO 10079-3:2014	Medical suction equipment -- Part 3: Suction equipment powered from a vacuum or positive pressure gas source

(f) Terminology and semantics

ISO 4135:2001	Anaesthetic and respiratory equipment – Vocabulary
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4.3 Dentistry devices**(a) Dental CAD/CAM systems**

ISO 12836:2012	Dentistry -- Digitizing devices for CAD/CAM systems for indirect dental restorations -- Test methods for assessing accuracy
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(b) Dental equipment

ISO 11143:2008	Dentistry -- Amalgam separators
ISO 11144:1995	Dental equipment -- Connections for supply and waste lines
ISO 13897:2003	Dentistry -- Amalgam capsules
ISO 13897:2003 / Cor1:2003	Dentistry -- Amalgam capsules – <i>Technical Corrigendum 1</i>
ISO 21530:2004	Dentistry -- Materials used for dental equipment surfaces -- Determination of resistance to chemical disinfectants
ISO 4073:2009	Dentistry -- Information system on the location of dental equipment in the working area of the oral health care provider

ISO 6875:2011	Dentistry -- Patient chair
ISO 7488:1991	Dental amalgamators
ISO 7493:2006	Dentistry -- Operator's stool
ISO 7494-1:2011	Dentistry -- Dental units -- Part 1: General requirements and test methods
ISO 7494-2:2003	Dentistry -- Dental units -- Part 2: Water and air supply
ISO 8282:1994	Dental equipment -- Mercury and alloy mixers and dispensers
ISO 9680:2014	Dentistry -- Operating lights
ISO 9687:2015	Dentistry -- Graphical symbols for dental equipment
ISO/TS 11080:2009	Dentistry -- Essential characteristics of test methods for the evaluation of treatment methods intended to improve or maintain the microbiological quality of dental unit procedural water
ISO/TS 22595-1:2006	Dentistry -- Plant area equipment -- Part 1: Suction systems
ISO/TS 22595-2:2008	Dentistry -- Plant area equipment -- Part 2: Compressor systems
IEC 80601-2-60:2012	Medical electrical equipment -- Part 2-60: Particular requirements for basic safety and essential performance of dental equipment
ISO 11143:2008	Dentistry -- Amalgam separators
ISO 11144:1995	Dental equipment -- Connections for supply and waste lines

(c) Dental implants

ISO 10451:2010	Dentistry -- Contents of technical file for dental implant systems
ISO 11953:2010	Dentistry -- Implants -- Clinical performance of hand torque instruments
ISO 14801:2007	Dentistry -- Implants -- Dynamic fatigue test for endosseous dental implants
ISO 16498:2013	Dentistry -- Minimal dental implant data set for clinical use
ISO 22794:2007	Dentistry -- Implantable materials for bone filling and augmentation in oral and maxillofacial surgery -- Contents of a technical file
ISO 22803:2004	Dentistry -- Membrane materials for guided tissue regeneration in oral and maxillofacial surgery -- Contents of a technical file
ISO/TR 11175:1993	Dental implants -- Guidelines for developing dental implants
ISO/TS 13498:2011	Dentistry -- Torsion test of implant body/connecting part joints of endosseous dental implant systems
ISO/TS 22911:2005	Dentistry -- Preclinical evaluation of dental implant systems -- Animal test methods

(d) Dental instruments

ISO 10323:2013	Dentistry -- Bore diameters for rotary instruments such as discs and wheels
ISO 11499:2014	Dentistry -- Single-use cartridges for local anaesthetics

ISO 13295:2007	Dentistry -- Mandrels for rotary instruments
ISO 13397-1:1995	Periodontal curettes, dental scalers and excavators -- Part 1: General requirements
ISO 13397-2:2005	Dentistry -- Periodontal curettes, dental scalers and excavators -- Part 2: Periodontal curettes of Gr-type
ISO 13397-2:2005/ Amd 1:2012	Colour coding
ISO 13397-3:1996	Periodontal curettes, dental scalers and excavators -- Part 3: Dental scalers -- H-type
ISO 13397-4:1997	Periodontal curettes, dental scalers and excavators -- Part 4: Dental excavators -- Discoid-type
ISO 13504:2012	Dentistry -- General requirements for instruments and related accessories used in dental implant placement and treatment
ISO 15087-1:1999	Dental elevators -- Part 1: General requirements
ISO 15087-2:2000	Dental elevators -- Part 2: Warwick James elevators
ISO 15087-3:2000	Dental elevators -- Part 3: Cryer elevators
ISO 15087-4:2000	Dental elevators -- Part 4: Coupland elevators
ISO 15087-5:2000	Dental elevators -- Part 5: Bein elevators
ISO 15087-6:2000	Dental elevators -- Part 6: Flohr elevators
ISO 15098-1:1999	Dental tweezers -- Part 1: General requirements
ISO 15098-2:2000	Dental tweezers -- Part 2: Meriam types

ISO 15098-3:2000	Dental tweezers -- Part 3: College types
ISO 15606:1999	Dental handpieces -- Air-powered scalers and scaler tips
ISO 15635-2:2014	Dentistry -- Dental rubber dam instruments -- Part 2: Clamp forceps
ISO 16635-1:2013	Dentistry -- Dental rubber dam technique -- Part 1: Hole punch
ISO 1797-1:2011	Dentistry -- Shanks for rotary instruments -- Part 1: Shanks made of metals
ISO 1797-2:1992	Dental rotary instruments -- Shanks -- Part 2: Shanks made of plastics
ISO 1797-3:2013	Dentistry -- Shanks for rotary instruments -- Part 3: Shanks made of ceramics
ISO 21531:2009	Dentistry -- Graphical symbols for Dental instruments
ISO 21533:2003	Dentistry -- Reusable cartridge syringes intended for intraligamentary injections
ISO 21533:2003/ Cor 1:2009	Dentistry -- Reusable cartridge syringes intended for intraligamentary injections – <i>Technical Corrigendum 1</i>
ISO 2157:1992	Dental rotary instruments -- Nominal diameters and designation code number
ISO 21671:2006	Dentistry -- Rotary polishers
ISO 21671:2006/ Amd 1:2011	Dentistry – Rotary polishers – <i>Amendment 1</i>

ISO 21672-1:2012	Dentistry -- Periodontal probes -- Part 1: General requirements
ISO 21672-2:2012	Dentistry -- Periodontal probes -- Part 2: Designation
ISO 22374:2005	Dentistry -- Dental handpieces -- Electrical-powered scalers and scaler tips
ISO 3630-1:2008	Dentistry -- Root canal instruments -- Part 1: General requirements and test methods
ISO 3630-2:2013	Dentistry -- Endodontic Instruments -- Part 2: Enlargers
ISO 3630-3:1994	Dental root-canal instruments -- Part 3: Condensers, pluggers and spreaders
ISO 3630-4:2009	Dentistry -Root canal instruments -- Part 4: Auxiliary instruments
ISO 3630-5:2011	Dentistry -- Endodontic instruments -- Part 5: Shaping and cleaning instruments
ISO 3823-1:1997	Dental rotary instruments -- Burs -- Part 1: Steel and carbide burs
ISO 3823-2:2003	Dentistry -- Rotary bur instruments -- Part 2: Finishing burs
ISO 3823-2:2003 / Amd 1:2008	Dentistry -- Rotary bur instruments -- Part 2: Finishing burs – <i>Amendment 1</i>
ISO 3964:1982	Dental handpieces -- Coupling dimensions
ISO 6360-1:2004	Dentistry -- Number coding system for rotary instruments -- Part 1: General characteristics

ISO 6360-1:2004 / Cor 1:2007	Dentistry -- Number coding system for rotary instruments -- Part 1: General characteristics – <i>Technical Corrigendum 1</i>
ISO 6360-2:2004	Dentistry -- Number coding system for rotary instruments -- Part 2: Shapes
ISO 6360-2:2004/ Amd 1:2011	Dentistry -- Number coding system for rotary instruments -- Part 2: Shapes – <i>Amendment 1</i>
ISO 6360-3:2005	Dentistry -- Number coding system for rotary instruments -- Part 3: Specific characteristics of burs and cutters
ISO 6360-4:2004	Dentistry -- Number coding system for rotary instruments -- Part 4: Specific characteristics of diamond instruments
ISO 6360-5:2007	Dentistry -- Number coding system for rotary instruments -- Part 5: Specific characteristics of root-canal instruments
ISO 6360-6:2004	Dentistry -- Number coding system for rotary instruments -- Part 6: Specific characteristics of abrasive instruments
ISO 6360-7:2006	Dentistry -- Number coding system for rotary instruments -- Part 7: Specific characteristics of mandrels and special instruments
ISO 7492:1997	Dental explorers
ISO 7711-1:1997	Dental rotary instruments -- Diamond instruments -- Part 1: Dimensions, requirements, marking and packaging

ISO 7711-1:1997 / Amd 1:2009	Dental rotary instruments -- Diamond instruments -- Part 1: Dimensions, requirements, marking and packaging – <i>Amendment 1</i>
ISO 7711-2:2011	Dentistry -- Rotary diamond instruments -- Part 2: Discs
ISO 7711-3:2004	Dentistry -- Diamond rotary instruments -- Part 3: Grit sizes, designation and colour code
ISO 7786:2001	Dental rotary instruments -- Laboratory abrasive instruments
ISO 7787-1:1984	Dental rotary instruments -- Cutters -- Part 1: Steel laboratory cutters
ISO 7787-2:2000	Dental rotary instruments -- Cutters -- Part 2: Carbide laboratory cutters
ISO 7787-3:1991	Dental rotary instruments -- Cutters -- Part 3: Carbide laboratory cutters for milling machines
ISO 7787-4:2002	Dental rotary instruments -- Cutters -- Part 4: Miniature carbide laboratory cutters
ISO 7885:2010	Dentistry -- Sterile injection needles for single use
ISO 8325:2004	Dentistry -- Test methods for rotary instruments
ISO 9168:2009	Dentistry -- Hose connectors for air driven dental handpieces
ISO 9173-1:2006	Dentistry -- Extraction forceps -- Part 1: General requirements and test methods
ISO 9173-2:2010	Dentistry -- Extraction forceps -- Part 2: Designation
ISO 9173-3:2014	Dentistry -- Extraction forceps -- Part 3: Design

ISO 9873:1998 Dental hand instruments -- Reusable mirrors and handles

ISO 9873:1998/ Cor 1:2000 Dental hand instruments -- Reusable mirrors and handles – *Technical Corrigendum 1*

ISO 9997:1999 Dental cartridge syringes

(e) Filling and restorative materials

ISO 13116:2014 Dentistry -- Test Method for Determining Radio-Opacity of Materials

ISO 15841:2014 Dentistry - Wires for use in orthodontics

ISO 17304:2013 Dentistry -- Polymerization shrinkage: Method for determination of polymerization shrinkage of polymer-based restorative materials

ISO 21606:2007 Dentistry -- Elastomeric auxiliaries for use in orthodontics

ISO 24234:2015 Dentistry -- Dental amalgam

ISO 27020:2010 Dentistry -- Brackets and tubes for use in orthodontics

ISO 29022:2013 Dentistry -- Adhesion -- Notched-edge shear bond strength test

ISO 3107:2011 Dentistry -- Zinc oxide/eugenol cements and zinc oxide/non-eugenol cements

ISO 4049:2009 Dentistry -- Polymer-based restorative materials

ISO 6874:2005 Dentistry -- Polymer-based pit and fissure sealants

ISO 6876:2012 Dentistry -- Root canal sealing materials

ISO 6877:2006	Dentistry -- Root-canal obturating points
ISO 7551:1996	Dental absorbent points
ISO 9917-1:2007	Dentistry -- Water-based cements -- Part 1: Powder/liquid acid-base cements
ISO 9917-2:2010	Dentistry -- Water-based cements -- Part 2: Resin-modified cements
ISO/TS 11405:2015	Dental materials -- Testing of adhesion to tooth structure
ISO/TS 17988:2014	Dentistry -- Corrosion test methods for dental amalgam
(f) Prosthodontic materials	
ISO 10139-1:2005	Dentistry -- Soft lining materials for removable dentures -- Part 1: Materials for short-term use
ISO 10139-1:2005/ Cor 1:2006	Dentistry -- Soft lining materials for removable dentures -- Part 1: Materials for short-term use – <i>Technical Corrigendum 1</i>
ISO 10139-2:2009	Dentistry -- Soft lining materials for removable dentures -- Part 2: Materials for long-term use
ISO 10271:2011	Dentistry -- Corrosion test methods for metallic materials
ISO 10477:2004	Dentistry -- Polymer-based crown and bridge materials
ISO 13017:2012	Dentistry -- Magnetic attachments
ISO 13078:2013	Dentistry - Dental furnace - Test method for temperature measurement with separate thermocouple

ISO 14233:2003	Dentistry -- Polymer-based die materials
ISO 14356:2003	Dentistry -- Duplicating material
ISO 15854:2005	Dentistry -- Casting and baseplate waxes
ISO 15912:2006	Dentistry -- Casting investments and refractory die materials
ISO 15912:2006/ Amd 1:2011	Requirement and test method for adequacy of expansion of Type 1 and Type 2 materials
ISO 20795-1:2013	Dentistry -- Base polymers -- Part 1 : Denture base polymers
ISO 20795-2:2013	Dentistry -- Base polymers -- Part 2 : Orthodontic base polymers
ISO 21563:2013	Dentistry -- Hydrocolloid impression materials
ISO 22112:2005	Dentistry -- Artificial teeth for dental prostheses
ISO 22674:2006	Dentistry -- Metallic materials for fixed and removable restorations and appliances
ISO 28319:2010	Dentistry -- Laser welding
ISO 4823:2000	Dentistry -- Elastomeric impression materials
ISO 6872:2008	Dentistry -- Ceramic materials
ISO 6873:2013	Dentistry -- Gypsum products
ISO 7491:2000	Dental materials -- Determination of colour stability
ISO 9333:2006	Dentistry -- Brazing materials

ISO 9693:1999/ Amd 1:2005	Metal-ceramic dental restorative systems
ISO 9693-1:2012	Dentistry -- Compatibility testing -- Part 1: Metal-ceramic systems
ISO/TR 14569-1:2007	Dental materials -- Guidance on testing of wear -- Part 1: Wear by toothbrushing
ISO/TR 28642:2011	Dentistry -- Guidance on colour measurement
ISO/TS 14569-2:2001	Dental materials -- Guidance on testing of wear -- Part 2: Wear by two- and/or three body contact
(g) Terminology	
ISO 16059:2007	Dentistry -- Required elements for codification used in data exchange
ISO 16443:2014	Dentistry -- Vocabulary for dental implants systems and related procedure
ISO 1942:2009	Dentistry – Vocabulary
ISO 3950:2009	Dentistry -- Designation system for teeth and areas of the oral cavity
ISO/TR 15300:2001	Dentistry -- Application of OSI clinical codification to the classification and coding of dental products
ISO/TR 15599:2002	Digital codification of dental laboratory procedures
ISO/TR 15599:2002 / Cor 1:2003	Digital codification of dental laboratory procedures – <i>Technical Corrigendum 1</i>

4.4 Extracorporeal systems

IEC 60601-2-16:2012	Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment
IEC 60601-2-39:2007 (Ed.2)	Medical electrical equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment
IEC/TRF 60601-2-39:2008 (Ed.3)	This Test Report Form applies to IEC 60601-2-39:2007 (Second edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)
IEC/TR 62653:2013	Guidelines for the safe use of medical products in dialysis treatment
ISO 11658:2012	Cardiovascular implants and extracorporeal systems -- Blood/tissue contact surface modifications for extracorporeal perfusion systems
ISO 11663:2014	Quality of dialysis fluid for haemodialysis and related therapies
ISO 12417:2011	Cardiovascular implants and extracorporeal systems -- Vascular device-drug
ISO 13958:2014	Concentrates for haemodialysis and related therapies
ISO 13959:2014	Water for haemodialysis and related therapies
ISO 13960:2010	Cardiovascular implants and extracorporeal systems – Plasmafilters
ISO 15674:2009	Cardiovascular implants and artificial organs -- Hard-shell cardiotomy/venous reservoir systems (with/without filter) and soft venous reservoir bags

ISO 15675:2009	Cardiovascular implants and artificial organs -- Cardiopulmonary bypass systems -- Arterial blood line filters
ISO 15676:2005	Cardiovascular implants and artificial organs -- Requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO)
ISO 23500:2014	Guidance for the preparation and quality management of fluids for haemodialysis and related therapies
ISO 26722:2014	Water treatment equipment for haemodialysis applications and related therapies
ISO 8637:2010	Cardiovascular implants and extracorporeal systems -- Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators
ISO 8637:2010 / Amd 1:2013	Revision to Figure 2 -- Main fitting dimensions of dialysis fluid inlet and outlet ports
ISO 8638:2010	Cardiovascular implants and extracorporeal systems -- Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters
ISO/TS 23810:2012	Cardiovascular implants and artificial organs -- Checklist for preoperative extracorporeal circulation equipment setup

4.5 Hospital equipment

(a) Heating equipment

IEC 60601-2-35:2009 Medical electrical equipment - Part 2-35: Particular requirements for the safety of blankets, pads and mattresses, intended for heating in medical use

IEC 80601-2-35:2009 Medical electrical equipment -- Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use

(b) Medical beds

IEC 60601-2-38:1996 Medical electrical equipment - Part 2-38: Particular requirements for the safety of electrically operated hospital beds

IEC 60601-2-52:2009 Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds

IEC 60601-2-52:2009
/Cor1:2010 Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds –
Technical Corrigendum 1

IEC 60601-2-52:2009
/Amd 1:2015 Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds – *Amendment 1*

IEC/TRF
60601-2-38:2011 (Ed. 3) This Test Report Form applies to IEC 60601-2-38:1996 (First Edition) + A1: 1999 for use with IEC 60601:1988 + A1:91 + A2:95

(c) Medical face masks

ISO 22609:2004 Clothing for protection against infectious agents -- Medical face masks -- Test method for resistance against penetration by synthetic blood (fixed volume, horizontally projected)

(d) Medical gloves

ISO 10282:2014 Single-use sterile rubber surgical gloves – Specification

ISO 11193-1:2008 Single-use medical examination gloves - Part 1: Specification for gloves made from rubber latex or rubber solution

ISO 11193-1:2008/
Amd 1:2012 Single-use medical examination gloves - Part 1: Specification for gloves made from rubber latex or rubber solution – *Amendment 1*

ISO 11193-2:2006 Single-use medical examination gloves - Part 2: Specification for gloves made from poly(vinyl chloride)

ISO 12243:2003 Medical gloves made from natural rubber latex - Determination of water-extractable protein using the modified Lowry method

ISO 12243:2003/
Amd 1:2012 Medical gloves made from natural rubber latex - Determination of water-extractable protein using the modified Lowry method – *Amendment 1*

ISO 21171:2006 Medical gloves - Determination of removable surface powder

EN 455-1:2000 Medical gloves for single use - Part 1: Requirements and testing for freedom from holes

EN 455-2:2009 +
A2:2013 Medical gloves for single use - Part 2: Requirements and testing for physical properties

EN 455-3:2006 Medical gloves for single use - Part 3: Requirements and testing for biological evaluation

EN 455-4:2009 Medical gloves for single use - Part 4: Requirements and testing for shelf life determination

(e) Operating tables

IEC 60601-2-46:2010 (Ed.2.0) Medical electrical equipment - Part 2-46: Particular requirements for basic safety and essential performance of operating tables

IEC/TRF 60601-2-46:2011 (Ed.3) This test report form applies to IEC 60601-2-46:2010 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

(f) Other medical equipment

ISO 23907:2012 Sharps injury protection -- Requirements and test methods -- Sharps containers

4.6 Implants for surgery, prosthetics and orthotics devices

(a) Implants for surgery (Active implants)

IEC 60601-2-31:2011 Medical electrical equipment - Part 2-31: Particular requirements for the basic safety and essential performance of external cardiac pacemakers with internal power source

IEC 60601-2-4:2010 Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators

ISO 11318:2002 Cardiac defibrillators -- Connector assembly DF-1 for implantable defibrillators -- Dimensions and test requirements

ISO 14117:2012	Active implantable medical devices -- Electromagnetic compatibility -- EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators and cardiac resynchronization devices
ISO 14708-1:2014	Implants for surgery -- Active implantable medical devices -- Part 1: General requirements for safety, marking and for information to be provided by the manufacturer
ISO 14708-2:2012	Implants for surgery -- Active implantable medical devices -- Part 2: Cardiac pacemakers
ISO 14708-3:2008	Implants for surgery -- Active implantable medical devices -- Part 3: Implantable neurostimulators
ISO 14708-4:2008	Implants for surgery -- Active implantable medical devices -- Part 4: Implantable infusion pumps
ISO 14708-5:2010	Implants for surgery - Active implantable medical devices - Part 5: Circulatory support devices
ISO 14708-6:2010	Implants for surgery -- Active implantable medical devices -- Part 6: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (including implantable defibrillators)
ISO 14708-7:2013	Implants for surgery -- Active implantable medical devices -- Part 7: Particular requirements for cochlear implant systems
ISO 27185:2012	Cardiac rhythm management devices -- Symbols to be used with cardiac rhythm management device labels, and information to be supplied -- General requirements

ISO 27186:2010	Active implantable medical devices -- Four-pole connector system for implantable cardiac rhythm management devices - Dimensional and test requirements
ISO 5841-2:2014	Implants for surgery -- Cardiac pacemakers -- Part 2: Reporting of clinical performance of populations of pulse generators or leads
ISO 5841-3:2013	Implants for surgery -- Cardiac pacemakers -- Part 3: Low-profile connectors (IS-1) for implantable pacemakers
ISO/TS 10974:2012	Assessment of the safety of magnetic resonance imaging for patients with an active implantable medical device
AAMI ANSI TIR41:2011	Technical information report active implantable guidance for designation of left ventricle and implantable cardioverter defibrillator lead connectors and pulse generator connector cavities for implantable pacemakers and implantable cardioverter defibrillators

(b) Implants for surgery (Bone and joint replacements)

ISO 13243-2:2009	Implants for surgery -- Wear of total knee-joint prostheses -- Part 2: Methods of measurement
ISO 14242-1:2014	Implants for surgery -- Wear of total hip-joint prostheses -- Part 1: Loading and displacement parameters for wear-testing machines and corresponding environmental conditions for test
ISO 14242-2:2000	Implants for surgery -- Wear of total hip-joint prostheses -- Part 2: Methods of measurement

ISO 14242-3:2009	Implants for surgery -- Wear of total hip-joint prostheses -- Part 3: Loading and displacement parameters for orbital bearing type wear testing machines and corresponding environmental conditions for test
ISO 14243-1:2009	Implants for surgery -- Wear of total knee-joint prostheses -- Part 1: Loading and displacement parameters for wear-testing machines with load control and corresponding environmental conditions for test
ISO 14243-3:2014	Implants for surgery -- Wear of total knee-joint prostheses -- Part 3: Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test
ISO 14879-1:2000	Implants for surgery -- Total knee-joint prostheses -- Part 1: Determination of endurance properties of knee tibial trays
ISO 16087:2013	Implants for surgery -- Roentgen stereophotogrammetric analysis for the assessment of migration of orthopaedic implants
ISO 17853:2011	Wear of implant materials -- Polymer and metal wear particles -- Isolation and characterization
ISO 21534:2007	Non-active surgical implants -- Joint replacement implants -- Particular requirements
ISO 21535:2007	Non-active surgical implants -- Joint replacement implants -- Specific requirements for hip-joint replacement implants

ISO 21536:2007	Non-active surgical implants -- Joint replacement implants -- Specific requirements for knee-joint replacement implants
ISO 21536:2007 / Amd 1:2014	Non-active surgical implants -- Joint replacement implants -- Specific requirements for knee-joint replacement implants – <i>Amendment 1</i>
ISO 7206-1:2008	Implants for surgery -- Partial and total hip joint prostheses -- Part 1: Classification and designation of dimensions
ISO 7206-10:2003	Implants for surgery -- Partial and total hip-joint prostheses -- Part 10: Determination of resistance to static load of modular femoral heads
ISO 7206-2:2011	Implants for surgery -- Partial and total hip joint prostheses -- Part 2: Articulating surfaces made of metallic, ceramic and plastics materials
ISO 7206-4:2010	Implants for surgery -- Partial and total hip joint prostheses -- Part 4: Determination of endurance properties and performance of stemmed femoral components
ISO 7206-6:2013	Implants for surgery -- Partial and total hip joint prostheses -- Part 6: Endurance properties testing and performance requirements of neck region of stemmed femoral components
ISO 7207-1:2007	Implants for surgery -- Components for partial and total knee joint prostheses -- Part 1: Classification, definitions and designation of dimensions
ISO 7207-2:2011	Implants for surgery -- Components for partial and total knee joint prostheses -- Part 2: Articulating surfaces made of metal, ceramic and plastics materials

(c) Implants for surgery (Cardiovascular implants)

ISO 25539-1:2003	Cardiovascular implants - Endovascular devices - Part 1: Endovascular prostheses
ISO 25539-1:2003/ Amd 1:2005	Test methods
ISO 25539-2:2012	Cardiovascular implants -- Endovascular devices -- Part 2: Vascular stents
ISO 25539-3:2011	Cardiovascular implants - Endovascular devices - Part 3: Vena cava filters
ISO 5840:2005	Cardiovascular implants - Cardiac valve prostheses
ISO 5840-3:2013	Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques
ISO 7198:1998	Cardiovascular implants - Tubular vascular prostheses
ISO 7199:2009	Cardiovascular implants and artificial organs -- Blood-gas exchangers (oxygenators)
ISO 7199:2009 / Amd 1:2012	Clarifications for test methodologies, labelling, and sampling schedule
ISO/TS 15539:2000	Cardiovascular implants -- Endovascular prostheses
ISO/TS 17137:2014	Cardiovascular implants and extracorporeal systems -- Cardiovascular absorbable implants
AAMI ANSI ASTM F2914-12	Standard guide for identification of shelf-life test attributes for endovascular devices

AAMI TIR42:2010	Evaluation of particulates associated with vascular medical devices
ASTM F2079 - 09(2013)	Standard test method for measuring intrinsic elastic recoil of balloon-expandable stents
ASTM F2081 - 06(2013)	Standard guide for characterization and presentation of the dimensional attributes of vascular stents
EN 12006-2:1998/ A1:2009	Non active surgical implants - Particular requirements for cardiac and vascular implants - Part 2: Vascular prostheses including cardiac valve conduits

(d) Implants for surgery (General requirements)

ISO 14630:2012	Non-active surgical implants- General requirements
ISO 16061:2008	Instrumentation for use in association with non-active surgical implants -- General requirements
ASTM F2129 - 08	Standard test method for conducting cyclic potentiodynamic polarization measurements to determine the corrosion susceptibility of small implant devices
ASTM F138 - 13	Standard specification for wrought 18 Chromium-14 Nickel-2.5 Molybdenum stainless steel bar and wire for surgical implants (UNS S31673)
ASTM F2119 - 07(2013)	Standard test method for evaluation of MR Image artifacts from passive implants

(e) Implants for surgery (Materials)

ISO 13175-3:2012	Implants for surgery -- Calcium phosphates -- Part 3: Hydroxyapatite and beta-tricalcium phosphate bone substitutes
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ISO 13179-1:2014	Implants for surgery -- Plasma-sprayed unalloyed titanium coatings on metallic surgical implants -- Part 1: General requirements
ISO 13356:2008	Implants for surgery -- Ceramic materials based on yttria-stabilized tetragonal zirconia (Y-TZP)
ISO 13779-1:2008	Implants for surgery -- Hydroxyapatite -- Part 1: Ceramic hydroxyapatite
ISO 13779-2:2008	Implants for surgery -- Hydroxyapatite -- Part 2: Coatings of hydroxyapatite
ISO 13779-3:2008	Implants for surgery -- Hydroxyapatite -- Part 3: Chemical analysis and characterization of crystallinity and phase purity
ISO 13779-4:2002	Implants for surgery -- Hydroxyapatite -- Part 4: Determination of coating adhesion strength
ISO 13779-6:2015	Implants for surgery -- Hydroxyapatite -- Part 6: Powders
ISO 13781:1997	Poly(L-lactide) resins and fabricated forms for surgical implants -- In vitro degradation testing
ISO 13782:1996	Implants for surgery -- Metallic materials -- Unalloyed tantalum for surgical implant applications
ISO 14949:2001	Implants for surgery -- Two-part addition-cure silicone elastomers
ISO 15309:2013	Implants for surgery -- Differential scanning calorimetry of poly ether ether ketone (PEEK) polymers and compounds for use in implantable medical devices

ISO 15374:1998	Implants for surgery -- Requirements for production of forgings
ISO 15814:1999	Implants for surgery -- Copolymers and blends based on polylactide -- In vitro degradation testing
ISO 16402:2008	Implants for surgery -- Acrylic resin cement -- Flexural fatigue testing of acrylic resin cements used in orthopaedics
ISO 16428:2005	Implants for surgery -- Test solutions and environmental conditions for static and dynamic corrosion tests on implantable materials and medical devices
ISO 16429:2004	Implants for surgery -- Measurements of open-circuit potential to assess corrosion behaviour of metallic implantable materials and medical devices over extended time periods
ISO 20160:2006	Implants for surgery -- Metallic materials -- Classification of microstructures for alpha+beta titanium alloy bars
ISO 23317:2014	Implants for surgery -- In vitro evaluation for apatite-forming ability of implant materials
ISO 5832-1:2007	Implants for surgery -- Metallic materials -- Part 1: Wrought stainless steel
ISO 5832-1:2007 / Cor 1:2007	Implants for surgery -- Metallic materials -- Part 1: Wrought stainless steel – <i>Technical Corrigendum 1</i>
ISO 5832-11:2014	Implants for surgery -- Metallic materials -- Part 11: Wrought titanium 6-aluminium 7-niobium alloy
ISO 5832-12:2007	Implants for surgery -- Metallic materials -- Part 12: Wrought cobalt-chromium-molybdenum alloy

ISO 5832-12:2007/ Cor 1:2008	Implants for surgery -- Metallic materials -- Part 12: Wrought cobalt-chromium-molybdenum alloy – <i>Technical Corrigendum 1</i>
ISO 5832-14:2007	Implants for surgery -- Metallic materials -- Part 14: Wrought titanium 15-molybdenum 5-zirconium 3-aluminium alloy
ISO 5832-2:1999	Implants for surgery -- Metallic materials -- Part 2: Unalloyed titanium
ISO 5832-3:1996	Implants for surgery -- Metallic materials -- Part 3: Wrought titanium 6-aluminium 4-vanadium alloy
ISO 5832-4:2014	Implants for surgery -- Metallic materials -- Part 4: Cobalt-chromium-molybdenum casting alloy
ISO 5832-5:2005	Implants for surgery -- Metallic materials -- Part 5: Wrought cobalt-chromium-tungsten-nickel alloy
ISO 5832-6:1997	Implants for surgery -- Metallic materials -- Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy
ISO 5832-7:1994	Implants for surgery -- Metallic materials -- Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy
ISO 5832-8:1997	Implants for surgery -- Metallic materials -- Part 8: Wrought cobalt-nickel-chromium-molybdenum- tungsten-iron alloy
ISO 5832-9:2007	Implants for surgery -- Metallic materials -- Part 9: Wrought high nitrogen stainless steel
ISO 5833:2002	Implants for surgery -- Acrylic resin cements
ISO 5834-1:2005	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 1: Powder form

ISO 5834-1:2005 / Cor 1:2007	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 1: Powder form – <i>Technical Corrigendum 1</i>
ISO 5834-3:2005	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 3: Accelerated ageing methods
ISO 5834-4:2005	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 4: Oxidation index measurement method
ISO 5834-5:2005	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 5: Morphology assessment method
ISO 6474-1:2010	Implants for surgery -- Ceramic materials -- Part 1: Ceramic materials based on high purity alumina
ISO 6474-2:2012	Implants for surgery -- Ceramic materials -- Part 2: Composite materials based on a high-purity alumina matrix with zirconia reinforcement
ISO 9583:1993	Implants for surgery -- Non-destructive testing -- Liquid penetrant inspection of metallic surgical implants
ISO 9584:1993	Implants for surgery -- Non-destructive testing -- Radiographic examination of cast metallic surgical implants
(f) Implants for surgery (Neurosurgical implants)	
ISO 7197:2006	Neurosurgical implants -- Sterile, single-use hydrocephalus shunts and components
ISO 9713:2002	Neurosurgical implants -- Self-closing intracranial aneurysm clips

(g) Implants for surgery (Osteosynthesis and spinal devices)

ISO 10334:1994	Implants for surgery -- Malleable wires for use as sutures and other surgical applications
ISO 12189:2008	Implants for surgery -- Mechanical testing of implantable spinal devices -- Fatigue test method for spinal implant assemblies using an anterior support
ISO 14602:2010	Non-active surgical implants -- Implants for osteosynthesis -- Particular requirements
ISO 15142-1:2003	Implants for surgery -- Metal intramedullary nailing systems -- Part 1: Intramedullary nails
ISO 15142-2:2003	Implants for surgery -- Metal intramedullary nailing systems -- Part 2: Locking components
ISO 15142-3:2003	Implants for surgery -- Metal intramedullary nailing systems -- Part 3: Connection devices and reamer diameter measurements
ISO 18192-1:2011	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
ISO 18192-2:2010	Implants for surgery -- Wear of total intervertebral spinal disc prostheses -- Part 2: Nucleus replacements
ISO 5835:1991	Implants for surgery -- Metal bone screws with hexagonal drive connection, spherical under-surface of head, asymmetrical thread -- Dimensions

ISO 5836:1988	Implants for surgery -- Metal bone plates -- Holes corresponding to screws with asymmetrical thread and spherical under-surface
ISO 5837-1:1985	Implants for surgery -- Intramedullary nailing systems -- Part 1: Intramedullary nails with cloverleaf or V-shaped cross-section
ISO 5838-1:2013	Implants for surgery -- Metallic skeletal pins and wires -- Part 1: General requirements
ISO 5838-2:1991	Implants for surgery -- Skeletal pins and wires -- Part 2: Steinmann skeletal pins – Dimensions
ISO 5838-3:1993	Implants for surgery -- Skeletal pins and wires -- Part 3: Kirschner skeletal wires
ISO 6475:1989	Implants for surgery -- Metal bone screws with asymmetrical thread and spherical under-surface -- Mechanical requirements and test methods
ISO 8319-1:1996	Orthopaedic instruments -- Drive connections -- Part 1: Keys for use with screws with hexagon socket heads
ISO 8319-2:1986	Orthopaedic instruments -- Drive connections -- Part 2: Screwdrivers for single slot head screws, screws with cruciate slot and cross-recessed head screws
ISO 8615:1991	Implants for surgery -- Fixation devices for use in the ends of the femur in adults
ISO 8827:1988	Implants for surgery -- Staples with parallel legs for orthopaedic use -- General requirements
ISO 9268:1988	Implants for surgery -- Metal bone screws with conical under-surface of head – Dimensions

ISO 9269:1988	Implants for surgery -- Metal bone plates -- Holes and slots corresponding to screws with conical under-surface
ISO 9585:1990	Implants for surgery -- Determination of bending strength and stiffness of bone plates
ISO 9714-1:2012	Orthopaedic drilling instruments -- Part 1: Drill bits, taps and countersink cutters

(h) Implants for surgery (Tissue-engineered medical products)

ISO/TR 16379:2014	Tissue-engineered medical products -- Evaluation of anisotropic structure of articular cartilage using DT (Diffusion Tensor)-MR Imaging
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(i) Prosthetics and orthotics

ISO 10328:2006	Prosthetics -- Structural testing of lower-limb prostheses -- Requirements and test methods
ISO 13404:2007	Prosthetics and orthotics -- Categorization and description of external orthoses and orthotic components
ISO 13405-1:2015	Prosthetics and orthotics -- Classification and description of prosthetic components -- Part 1: Classification of prosthetic components
ISO 13405-2:2015	Prosthetics and orthotics -- Classification and description of prosthetic components -- Part 2: Description of lower limb prosthetic components
ISO 13405-3:2015	Prosthetics and orthotics -- Classification and description of prosthetic components -- Part 3: Description of upper limb prosthetic components
ISO 15032:2000	Prostheses -- Structural testing of hip units

ISO 22523:2006	External limb prostheses and external orthoses -- Requirements and test methods
ISO 22675:2006	Prosthetics -- Testing of ankle-foot devices and foot units -- Requirements and test methods
ISO 29781:2008	Prostheses and orthoses -- Factors to be included when describing physical activity of a person who has had a lower limb amputation(s) or who has a deficiency of a lower limb segment(s) present at birth
ISO 29782:2008	Prostheses and orthoses -- Factors to be considered when specifying a prosthesis for a person who has had a lower limb amputation
ISO 29783-1:2008	Prosthetics and orthotics -- Vocabulary -- Part 1: Normal gait
ISO 29783-2:2015	Prosthetics and orthotics -- Vocabulary -- Part 2: Prosthetic gait
ISO 8548-1:1989	Prosthetics and orthotics -- Limb deficiencies -- Part 1: Method of describing limb deficiencies present at birth
ISO 8548-2:1993	Prosthetics and orthotics -- Limb deficiencies -- Part 2: Method of describing lower limb amputation stumps
ISO 8548-3:1993	Prosthetics and orthotics -- Limb deficiencies -- Part 3: Method of describing upper limb amputation stumps
ISO 8548-4:1998	Prosthetics and orthotics -- Limb deficiencies -- Part 4: Description of causal conditions leading to amputation

SO 8548-5:2003	Prosthetics and orthotics -- Limb deficiencies -- Part 5: Description of the clinical condition of the person who has had an amputation
ISO 8549-1:1989	Prosthetics and orthotics -- Vocabulary -- Part 1: General terms for external limb prostheses and external orthoses
ISO 8549-2:1989	Prosthetics and orthotics -- Vocabulary -- Part 2: Terms relating to external limb prostheses and wearers of these prostheses
ISO 8549-3:1989	Prosthetics and orthotics -- Vocabulary -- Part 3: Terms relating to external orthoses
ISO 8549-4:2014	Prosthetics and orthotics -- Vocabulary -- Part 4: Terms relating to limb amputation
ISO 8551:2003	Prosthetics and orthotics -- Functional deficiencies -- Description of the person to be treated with an orthosis, clinical objectives of treatment, and functional requirements of the orthosis
ISO/CD 29783-3	Prosthetics and orthotics -- Vocabulary -- Part 3: Pathological gait
ISO/DIS 16955:2	Prosthetics -- Quantification of physical parameters of ankle foot devices and foot units
ISO/TR 22676:2006	Prosthetics -- Testing of ankle-foot devices and foot units -- Guidance on the application of the test loading conditions of ISO 22675 and on the design of appropriate test equipment

4.7 Ophthalmic equipment

IEC 80601-2-58:2014	Medical electrical equipment -- Part 2-58: Particular requirements for basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery
ISO 10322-1:2006	Ophthalmic optics -- Semi-finished spectacle lens blanks -- Part 1: Specifications for single-vision and multifocal lens blanks
ISO 10322-2:2006	Ophthalmic optics -- Semi-finished spectacle lens blanks -- Part 2: Specifications for progressive power lens blanks
ISO 10341:2012	Ophthalmic instruments -- Refractor heads
ISO 10342:2010	Ophthalmic instruments -- Eye refractometers
ISO 10343:2014	Ophthalmic instruments – Ophthalmometers
ISO 10685-1:2011	Ophthalmic optics -- Spectacle frames and sunglasses electronic catalogue and identification -- Part 1: Product identification and electronic catalogue product hierarchy
ISO 10685-2:2012	Ophthalmic optics -- Spectacle frames and sunglasses electronic catalogue and identification -- Part 2: Commercial information
ISO 10685-3:2012	Ophthalmic optics -- Spectacle frames and sunglasses electronic catalogue and identification -- Part 3: Technical information
ISO 10936-2:2010	Optics and photonics -- Operation microscopes -- Part 2: Light hazard from operation microscopes used in ocular surgery

ISO 10938:1998	Ophthalmic instruments -- Chart projectors
ISO 10939:2007	Ophthalmic instruments -- Slit-lamp microscopes
ISO 10940:2009	Ophthalmic instruments -- Fundus cameras
ISO 10942:2006	Ophthalmic instruments -- Direct ophthalmoscopes
ISO 10943:2011	Ophthalmic instruments -- Indirect ophthalmoscopes
ISO 10944:2009	Ophthalmic instruments – Synoptophores
ISO 11380:1994	Optics and optical instruments -- Ophthalmic optics – Formers
ISO 11381:1994	Optics and optical instruments -- Ophthalmic optics -- Screw threads
ISO 11978:2014	Ophthalmic optics -- Contact lenses and contact lens care products – Labelling
ISO 11979-1:2012	Ophthalmic implants -- Intraocular lenses -- Part 1: Vocabulary
ISO 11979-2:2014	Ophthalmic implants -- Intraocular lenses -- Part 2: Optical properties and test methods
ISO 11979-3:2012	Ophthalmic implants -- Intraocular lenses -- Part 3: Mechanical properties and test methods
ISO 11979-4:2008	Ophthalmic implants -- Intraocular lenses -- Part 4: Labelling and information
ISO 11979-4:2008/ Amd 1:2012	Ophthalmic implants -- Intraocular lenses -- Part 4: Labelling and information – <i>Amendment 1</i>

ISO 11979-5:2006	Ophthalmic implants -- Intraocular lenses -- Part 5: Biocompatibility
ISO 11979-6:2014	Ophthalmic implants -- Intraocular lenses -- Part 6: Shelf-life and transport stability testing
ISO 11979-7:2014	Ophthalmic implants -- Intraocular lenses -- Part 7: Clinical investigations
ISO 11979-8:2006	Ophthalmic implants -- Intraocular lenses -- Part 8: Fundamental requirements
ISO 11979-8:2006/ Amd 1:2011	Ophthalmic implants – Intraocular lenses – Part 8: Fundamental requirements – <i>Amendment 1</i>
ISO 11979-9:2006	Ophthalmic implants -- Intraocular lenses -- Part 9: Multifocal intraocular lenses
ISO 11979-9:2006/ Amd 1:2014	Ophthalmic implants -- Intraocular lenses -- Part 9: Multifocal intraocular lenses – <i>Amendment 1</i>
ISO 11979-10:2006	Ophthalmic implants -- Intraocular lenses -- Part 10: Phakic intraocular lenses
ISO 11979-10:2006/ Amd 1:2014	Ophthalmic implants -- Intraocular lenses -- Part 10: Phakic intraocular lenses – <i>Amendment 1</i>
ISO 11980:2012	Ophthalmic optics -- Contact lenses and contact lens care products -- Guidance for clinical investigations
ISO 11981:2009	Ophthalmic optics -- Contact lenses and contact lens care products -- Determination of physical compatibility of contact lens care products with contact lenses

ISO 11985:1997	Ophthalmic optics -- Contact lenses -- Ageing by exposure to UV and visible radiation (in vitro method)
ISO 11986:2010	Ophthalmic optics -- Contact lenses and contact lens care products -- Determination of preservative uptake and release
ISO 11987:2012	Ophthalmic optics -- Contact lenses -- Determination of shelf-life
ISO 12864:1997	Ophthalmic optics -- Contact lenses -- Determination of scattered light
ISO 12865:2006	Ophthalmic instruments – Retinoscopes
ISO 12866:1999	Ophthalmic instruments – Perimeters
ISO 12866:1999/ Amd 1:2008	Ophthalmic instruments – Perimeters – <i>Amendment 1</i>
ISO 12867:2010	Ophthalmic instruments -- Trial frames
ISO 12870:2012	Ophthalmic optics -- Spectacle frames -- Requirements and test methods
ISO 13212:2014	Ophthalmic optics -- Contact lens care products -- Guidelines for determination of shelf-life
ISO 13666:2012	Ophthalmic optics -- Spectacle lenses – Vocabulary
ISO 14534:2011	Ophthalmic optics. Contact lenses and contact lens care products. Fundamental requirements
ISO 14729:2001	Ophthalmic optics -- Contact lens care products -- Microbiological requirements and test methods for products and regimens for hygienic management of contact lenses

ISO 14729:2001/ Amd 1:2010	Ophthalmic optics -- Contact lens care products -- Microbiological requirements and test methods for products and regimens for hygienic management of contact lenses – <i>Amendment 1</i>
ISO 14730:2014	Ophthalmic optics -- Contact lens care products -- Antimicrobial preservative efficacy testing and guidance on determining discard date
ISO 14889:2013	Ophthalmic optics -- Spectacle lenses -- Fundamental requirements for uncut finished lenses
ISO 15004-1:2006	Ophthalmic instruments -- Fundamental requirements and test methods -- Part 1: General requirements applicable to all ophthalmic instruments
ISO 15004-2:2007	Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection
ISO 15254:2009	Ophthalmic optics and instruments -- Electro-optical devices for enhancing low vision
ISO 15752:2010	Ophthalmic instruments -- Endoilluminators -- Fundamental requirements and test methods for optical radiation safety
ISO 15798:2013	Ophthalmic implants -- Ophthalmic viscosurgical devices
ISO 16034:2002	Ophthalmic optics -- Specifications for single-vision ready-to-wear near- vision spectacles
ISO 16034:2002/ Cor 1:2006	Ophthalmic optics -- Specifications for single-vision ready-to-wear near- vision spectacles – <i>Technical Corrigendum 1</i>

ISO 16284:2006	Ophthalmic optics -- Information interchange for ophthalmic optical equipment
ISO 16671:2003	Ophthalmic implants -- Irrigating solutions for ophthalmic surgery
ISO 16672:2003	Ophthalmic implants -- Ocular endotamponades
ISO 18259:2014	Ophthalmic optics -- Contact lens care products -- Method to assess contact lens care products with contact lenses in a lens case, challenged with bacterial and fungal organisms
ISO 18369-1:2006	Ophthalmic optics -- Contact lenses -- Part 1: Vocabulary, classification system and recommendations for labelling specifications
ISO 18369-1:2006/ Amd 1:2009	Ophthalmic optics -- Contact lenses -- Part 1: Vocabulary, classification system and recommendations for labelling specifications – <i>Amendment 1</i>
ISO 18369-2:2012	Ophthalmic optics -- Contact lenses -- Part 2: Tolerances
ISO 18369-3:2006	Ophthalmic optics -- Contact lenses -- Part 3: Measurement methods
ISO 18369-4:2006	Ophthalmic optics -- Contact lenses -- Part 4: Physicochemical properties of contact lens materials
ISO 19980:2012	Ophthalmic instruments -- Corneal topographers
ISO 21987:2009	Ophthalmic optics -- Mounted spectacle lenses
ISO 24157:2008	Ophthalmic optics and instruments -- Reporting aberrations of the human eye

ISO 24348:2014	Ophthalmic optics -- Spectacle frames -- Method for the simulation of wear and detection of nickel release from metal and combination spectacle frames
ISO 7998:2005	Ophthalmic optics -- Spectacle frames -- Lists of equivalent terms and vocabulary
ISO 8429:1986	Optics and optical instruments -- Ophthalmology -- Graduated dial scale
ISO 8596:2009	Ophthalmic optics -- Visual acuity testing -- Standard optotype and its presentation
ISO 8598-1:2014	Optics and optical instruments -- Focimeters -- Part 1: General purpose instruments
ISO 8612:2009	Ophthalmic instruments – Tonometers
ISO 8624:2011	Ophthalmic optics -- Spectacle frames -- Measuring system and terminology
ISO 8980-1:2004	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 1: Specifications for single-vision and multifocal lenses
ISO 8980-1:2004/ Cor 1:2006	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 1: Specifications for single-vision and multifocal lenses – <i>Technical Corrigendum 1</i>
ISO 8980-2:2004	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 2: Specifications for progressive power lenses
ISO 8980-2:2004/ Cor 1:2006	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 2: Specifications for progressive power lenses – <i>Technical Corrigendum 1</i>

ISO 8980-3:2013	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 3: Transmittance specifications and test methods
ISO 8980-4:2006	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 4: Specifications and test methods for anti-reflective coatings
ISO 8980-5:2005	Ophthalmic optics -- Uncut finished spectacle lenses -- Part 5: Minimum requirements for spectacle lens surfaces claimed to be abrasion-resistant
ISO 9342-1:2005	Optics and optical instruments -- Test lenses for calibration of focimeters -- Part 1: Test lenses for focimeters used for measuring spectacle lenses
ISO 9342-2:2005	Optics and optical instruments -- Test lenses for calibration of focimeters -- Part 2: Test lenses for focimeters used for measuring contact lenses
ISO 9394:2012	Ophthalmic optics -- Contact lenses and contact lens care products -- Determination of biocompatibility by ocular study with rabbit eyes
ISO 9801:2009	Ophthalmic instruments -- Trial case lenses
ISO/DIS 19045	Ophthalmic optics -- Contact lens care products -- Method for evaluating Acanthamoeba encystment by contact lens care products
ISO/DTR 19497	Ophthalmic optics -- History of standardization activities for abrasion resistance of spectacle lenses
ISO/DTR 19498	Ophthalmic optics and instruments -- Correlation of optotypes

ISO/FDIS 16971	Ophthalmic instruments -- Optical coherence tomograph for the posterior segment of the human eye
ISO/TR 20824:2007	Ophthalmic instruments -- Background for light hazard specification in ophthalmic instrument standards
ISO/TR 22979:2006	Ophthalmic implants -- Intraocular lenses -- Guidance on assessment of the need for clinical investigation of intraocular lens design modifications
ISO/TR 28980:2007	Ophthalmic optics -- Spectacle lenses -- Parameters affecting lens power measurement
ISO/TS 19979:2014	Ophthalmic optics -- Contact lenses -- Hygienic management of multipatient use trial contact lenses
ISO/WD 18189	Ophthalmic optics -- Contact lenses and contact lens care products -- Cytotoxicity testing of contact lenses and contact lens care solutions
ISO/WD TR 18476	Ophthalmic optics and instruments -- Free form technology -- Spectacle lenses and measurement
ANSI Z80.12-2007 (R2012)	Multifocal Intraocular Lenses
ANSI Z80.13-2007 (R2012)	Phakic Intraocular Lenses
ANSI Z80.17-2013	Ophthalmics – Focimeters
ANSI Z80.18-2010	Ophthalmics - Contact Lens Care Products: Vocabulary, Performance Specifications and Test Methodology

ANSI Z80.20-2010	Ophthalmics - Contact Lenses - Standard Terminology, Tolerances, Measurements and Physicochemical Properties
ANSI Z80.25-1996 (R2002)	Ophthalmics - Instruments: Fundamental Requirements and Test Methods
ANSI Z80.30-2010	Ophthalmics - Toric Intraocular Lenses
ANSI Z80.7-2013	Ophthalmic Optics - Intraocular Lenses

4.8 Sterilization and disinfection devices

(a) Chemical disinfectants and antiseptics

EN 14348:2005	Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants - Test methods and requirements (phase 2, step 1)
EN 14561:2006	Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants in the medical area including instrument disinfectants - Test method and requirements (phase 2, step 2)
EN 14563:2008	Chemical disinfectants and antiseptics. Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants used for instruments in the medical area. Test methods and requirements (phase 2, step 2)

(b) Sterilizing equipment

ISO 15883-1:2006	Washer-disinfectors - Part 1: General requirements, terms and definitions and tests
ISO 15883-1:2006/ Amd 1:2004	Washer-disinfectors - Part 1: General requirements, terms and definitions and tests – <i>Amendment 1</i>
ISO 15883-2:2006	Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc.
ISO 15883-3:2006	Washer-disinfectors - Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers
ISO 15883-4:2008	Washer-disinfectors - Part 4: Requirements and tests for washer-disinfectors employing chemical disinfection for thermolabile endoscopes
ISO 15883-6:2011	Washer-disinfectors - Part 6: Requirements and tests for washer-disinfectors employing thermal disinfection for non-critical medical devices and healthcare equipment
ISO/TS 15883-5:2005	Washer-disinfectors -- Part 5: Test soils and methods for demonstrating cleaning efficacy
EN 13060:2004/ A2:2010	Small steam sterilizers
EN 14180:2014	Sterilizers for medical purposes - Low temperature steam and formaldehyde sterilizers - Requirements and testing
EN 285:2006/A2:2009	Sterilization - Steam sterilizers - Large sterilizers

4.9 Surgical instruments

(a) Electro-optical systems

ISO 11810-1:2005 Lasers and laser-related equipment -- Test method and classification for the laser resistance of surgical drapes and/or patient protective covers -- Part 1: Primary ignition and penetration

ISO 11810-2:2007 Lasers and laser-related equipment -- Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers -- Part 2: Secondary ignition

(b) Electrosurgical equipment

IEC 60601-2-2:2009 (Ed.5) Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories

IEC 60601-2-41:2009/ A1:2013 (Ed.2.1) Medical electrical equipment - Part 2-41: Particular requirements for the safety of surgical luminaires and luminaires for diagnosis

IEC/TRF 60601-2-2:2014 (Ed. 5) This Test Report Form applies to: IEC 60601-2-2: 2009 (Fifth Edition) + C1:2014 for use in conjunction with IEC 60601-1:2005 (Third Edition)

(c) Microscopes and endoscopes

IEC 60601-2-18:2009 Medical electrical equipment - Part 2-18: Particular requirements for basic safety and essential performance of endoscopic equipment

IEC 60601-2-18:2009 (Ed.3) Medical electrical equipment - Part 2-18: Particular requirements for the basic safety and essential performance of endoscopic equipment

ISO 10936-1:2000	Optics and optical instruments -- Operation microscopes -- Part 1: Requirements and test methods
ISO 8600-1:2013	Endoscopes -- Medical endoscopes and endotherapy devices -- Part 1: General requirements
ISO 8600-2:2002	Optics and optical instruments -- Medical endoscopes and endoscopic accessories -- Part 2: Particular requirements for rigid bronchoscopes
ISO 8600-3:1997	Optics and optical instruments -- Medical endoscopes and endoscopic accessories -- Part 3: Determination of field of view and direction of view of endoscopes with optics
ISO 8600-3:1997/ Amd 1:2003	Optics and optical instruments -- Medical endoscopes and endoscopic accessories -- Part 3: Determination of field of view and direction of view of endoscopes with optics – <i>Amendment 1</i>
ISO 8600-4:2014	Endoscopes -- Medical endoscopes and endotherapy devices -- Part 4: Determination of maximum width of insertion portion
ISO 8600-5:2005	Optics and photonics -- Medical endoscopes and endotherapy devices -- Part 5: Determination of optical resolution of rigid endoscopes with optics
ISO 8600-6:2005	Optics and photonics -- Medical endoscopes and endotherapy devices -- Part 6: Vocabulary
ISO 8600-7:2012	Endoscopes -- Medical endoscopes and endotherapy devices -- Part 7: Basic requirements for medical endoscopes of water-resistant type

(d) Surgical instruments

ISO 13402:1995	Surgical and dental hand instruments -- Determination of resistance against autoclaving, corrosion and thermal exposure
ISO 7151:1988	Surgical instruments -- Non-cutting, articulated instruments -- General requirements and test methods
ISO 7153-1:1991	Surgical instruments -- Metallic materials -- Part 1: Stainless steel
ISO 7153-1:1991 / Amd 1:1999	Surgical instruments -- Metallic materials -- Part 1: Stainless steel – <i>Amendment 1</i>
ISO 7740:1985	Instruments for surgery -- Scalpels with detachable blades -- Fitting dimensions
ISO 7741:1986	Instruments for surgery -- Scissors and shears -- General requirements and test methods

4.10 Syringes, needles and catheters**(a) Syringes, needles and catheters**

ISO 11040-1:1992	Prefilled syringes -- Part 1: Glass cylinders for dental local anaesthetic cartridges
ISO 11040-2:2011	Prefilled syringes -- Part 2: Plunger stoppers for dental local anaesthetic cartridges
ISO 11040-3:2012	Prefilled syringes -- Part 3: Seals for dental local anaesthetic cartridges
ISO 11040-4:2007	Prefilled syringes -- Part 4: Glass barrels for injectables

ISO 11040-5:2012	Prefilled syringes -- Part 5: Plunger stoppers for injectables
ISO 11040-6:2012	Prefilled syringes -- Part 6: Plastic barrels for injectables
ISO 11608-1:2014	Needle-based injection systems for medical use -- Requirements and test methods -- Part 1: Needle-based injection systems
ISO 11608-2:2012	Needle-based injection systems for medical use -- Requirements and test methods -- Part 2: Needles
ISO 11608-3:2012	Needle-based injection systems for medical use -- Requirements and test methods -- Part 3: Finished containers
ISO 11608-4:2006	Pen-injectors for medical use -- Part 4: Requirements and test methods for electronic and electromechanical pen-injectors
ISO 11608-5:2012	Needle-based injection systems for medical use -- Requirements and test methods -- Part 5: Automated functions
ISO 13926-1:2004	Pen systems -- Part 1: Glass cylinders for pen-injectors for medical use
ISO 13926-2:2011	Pen systems -- Part 2: Plunger stoppers for pen-injectors for medical use
ISO 13926-3:2012	Pen systems -- Part 3: Seals for pen-injectors for medical use
ISO 14972:1998	Sterile obturators for single use with over-needle peripheral intravascular catheters
ISO 17218:2014	Sterile acupuncture needles for single use

ISO 23908:2011	Sharps injury protection - Requirements and test methods - Sharp protection features for single-use hypothermic needles, introducers for catheters and needles used for blood sampling
ISO 594-1:1986	Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment -- Part 1 General requirements
ISO 594-2:1998	Conical fittings with 6 % (Luer) taper for syringes, needles and certain other medical equipment -- Part 2: Lock fittings
ISO 6009:1992	Hypodermic needles for single use -- Colour coding for identification
ISO 7864:1993	Sterile hypodermic needles for single use
ISO 7886-1:1993	Sterile hypodermic syringes for single use -- Part 1: Syringes for manual use
ISO 7886-1:1993 / Cor 1:1995	Sterile hypodermic syringes for single use -- Part 1: Syringes for manual use – <i>Technical Corrigendum 1</i>
ISO 7886-2:1996	Sterile hypodermic syringes for single use -- Part 2: Syringes for use with power-driven syringe pumps
ISO 7886-3:2005	Sterile, hypodermic syringes for single use - Part 3: Autodisable syringes for fixed-dose immunization
ISO 7886-4:2006	Sterile, hypodermic syringes for single use - Part 4: Syringes with reuse prevention feature
ISO 8537:2007	Sterile single-use syringes, with or without needle, for insulin

ISO 9626:1991	Stainless steel needle tubing for the manufacture of medical devices
ISO 9626:1991 / Amd 1:2001	Stainless steel needle tubing for the manufacture of medical devices – <i>Amendment 1</i>
ISO 11040-1:1992	Prefilled syringes -- Part 1: Glass cylinders for dental local anaesthetic cartridges
ISO 11040-2:2011	Prefilled syringes -- Part 2: Plunger stoppers for dental local anaesthetic cartridges
ISO 11040-3:2012	Prefilled syringes -- Part 3: Seals for dental local anaesthetic cartridges
ISO 11040-4:2007	Prefilled syringes -- Part 4: Glass barrels for injectables
ISO 11040-5:2012	Prefilled syringes -- Part 5: Plunger stoppers for injectables

(b) Syringes, needles and catheters (Cardiovascular)

ISO 10555-1:2013	Intravascular catheters -- Sterile and single-use catheters -- Part 1: General requirements
ISO 10555-3:2013	Intravascular catheters -- Sterile and single-use catheters -- Part 3: Central venous catheters
ISO 10555-4:2013	Intravascular catheters -- Sterile and single-use catheters -- Part 4: Balloon dilatation catheters condition, and intended for single use
ISO 10555-5:2013	Intravascular catheters -- Sterile and single-use catheters -- Part 5: Over-needle peripheral catheters
ISO 11070:2014	Sterile, single-use intravascular catheter introducers, dilators and guidewires

4.11 Therapeutic/diagnostic equipment

(a) Blood pressure monitors

IEC 60601-2-23:2011 (Ed. 3)	Medical electrical equipment. Part 2-23: Particular requirements for the safety , including essential performance, of transcutaneous partial pressure monitoring equipment
IEC 60601-2-30:2009/ A1:2013 (Ed. 1.1)	Medical electrical equipment. Part 2-30: Particular requirements for the safety, including essential performance, of automatic cycling non-invasive blood pressure monitoring equipment
IEC 60601-2-34:2011 (Ed.3)	Medical electrical equipment. Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment
IEC/TRF 60601-2-23:2012 (Ed.3)	This test report form applies to IEC 60601-2-23:2011 (Third Edition) for use with IEC 60601-1:2005 (Third Edition)
IEC/TRF 60601-2-34:2012 (Ed. 3)	This test report form applies to IEC 60601-2-34 (Third Edition):2011
ISO 80601-2-30:2009	Medical electrical equipment -- Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers
ISO 80601-2-30:2009 / Amd 1:2013	Medical electrical equipment -- Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers – <i>Amendment 1</i>
ISO 81060-1:2007	Non-invasive sphygmomanometers -- Part 1: Requirements and test methods for non-automated measurement type

ISO 81060-2:2013	Non-invasive sphygmomanometers -- Part 2: Clinical investigation of automated measurement type
ISO/IEEE 11073-10407:2010	Health informatics -- Personal health device communication -- Part 10407: Device specialization -- Blood pressure monitor

(b) Electrocardiogram (ECG)

IEC 60601-2-25:2011 (Ed.2)	Medical electrical equipment. Part 2-25: Particular requirements for basic safety and essential performance of electrocardiographs
IEC 60601-2-27:2011 (Ed.3)	Medical electrical equipment. Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment
IEC 60601-2-51:2003	Medical electrical equipment - Part 2-51: Particular requirements for safety, including essential performance, of recording and analysing single channel and multichannel electrocardiographs
IEC/TRF 60601-2-25:2013 (Ed. 3)	This Test Report Form applies to IEC 60601-2-25:2011 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)
IEC/TRF 60601-2-27:2012 (ed. 2)	IEC/TRF 60601-2-27:2012 (ed. 2) This Test Report Form applies to IEC 60601-2-27:2011 (Third Edition) for use in conjunction with IEC 60601-1:2005 + CORR. 1 (2006) + CORR. 2 (2007)
IEC/TRF 60601-2-51:2006 (Ed. 2)	This Test Report Form applies to IEC 60601-2-51:2003 (First Edition) for use in conjunction with IEC 60601-1:1988 + A1:1991 + A2:1995
AAMI ANSI EC13:2002	Cardiac monitors, heart rate meters, and alarms

AAMI EC53:2013 ECG trunk cables and patient leadwires

(c) Electroencephalogram (EEG)

IEC 60601-2-26:2012 (Ed.3) Medical electrical equipment. Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs

IEC/TRF 60601-2-26:2013 (Ed. 4) This Test Report Form applies to IEC 60601-2-26:2012 (Third Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

(d) Electromyogram (EMG)

IEC 60601-2-40:1998 Medical electrical equipment - Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment

IEC/TRF 60601-2-40:2006 (Ed. 2) This Test Report Form applies to IEC 60601-2-40:1998 (First Edition) for use in conjunction with IEC 60601-1:1988 + A1:1991 + A2:1995

(e) Infant incubators

IEC 60601-2-19:2009 (Ed.2) Medical electrical equipment - Part 2-19: Particular requirements for basic safety and essential performance of infant incubators

IEC 60601-2-20:2009 (Ed.2) Medical electrical equipment - Part 2-20: Particular requirements for the safety of transport incubators

IEC 60601-2-21:2009 (Ed.2) Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers

IEC 60601-2-50:2009 (Ed.2) Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment

IEC/TRF
60601-2-19:2011 (Ed.3) This Test Report Form applies to IEC 60601-2-19:2009 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

IEC/TRF
60601-2-20:2011 (Ed. 3) This Test Report Form applies to IEC 60601-2-20:2009 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

IEC/TRF
60601-2-21:2011 (Ed. 3) This Test Report Form applies to IEC 60601-2-21:2009 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

IEC/TRF
60601-2-50:2011 (Ed. 3) This Test Report Form applies to IEC 60601-2-50:2009 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

(f) Lasers

IEC 60601-2-22:2007/
A1:2012 Medical electrical equipment. Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment

IEC 60825-1:2014 Safety of laser products - Part 1: Equipment classification and requirements

IEC 60825-12:2004 Safety of laser products - Part 12: Safety of free space optical communication systems used for transmission of information

IEC 60825-2:2004+
AMD1:2006+AMD2:2010
CSV Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCS)

IEC 60825-4:2006+
AMD1:2008+AMD2:2011
CSV Safety of laser products - Part 4: Laser guards

IEC TR 60825-13:2011	Safety of laser products - Part 13: Measurements for classification of laser products
IEC TR 60825-14:2004	Safety of laser products - Part 14: A user's guide
IEC TR 60825-17:2010	Safety of laser products - Part 17: Safety aspects for use of passive optical components and optical cables in high power optical fibre communication systems
IEC TR 60825-3:2008	Safety of laser products - Part 3: Guidance for laser displays and shows
IEC TR 60825-5:2003	Safety of laser products - Part 5: Manufacturer's checklist for IEC 60825-1
IEC TR 60825-8:2006	Safety of laser products - Part 8: Guidelines for the safe use of laser beams on humans
ISO 11145:2006	Optics and photonics -- Lasers and laser-related equipment -- Vocabulary and symbols
ISO 11146-1:2005	Lasers and laser-related equipment -- Test methods for laser beam widths, divergence angles and beam propagation ratios -- Part 1: Stigmatic and simple astigmatic beams
ISO 11146-2:2005	Lasers and laser-related equipment -- Test methods for laser beam widths, divergence angles and beam propagation ratios -- Part 2: General astigmatic beams
ISO 11151-1:2000	Lasers and laser-related equipment -- Standard optical components -- Part 1: Components for the UV, visible and near-infrared spectral ranges

ISO 11151-2:2000	Lasers and laser-related equipment -- Standard optical components -- Part 2: Components for the infrared spectral range
ISO 11252:2013	Lasers and laser-related equipment -- Laser device -- Minimum requirements for documentation
ISO 11551:2003	Optics and optical instruments -- Lasers and laser-related equipment -- Test method for absorptance of optical laser components
ISO 11554:2006	Optics and photonics -- Lasers and laser-related equipment -- Test methods for laser beam power, energy and temporal characteristics
ISO 11670:2003	Lasers and laser-related equipment -- Test methods for laser beam parameters -- Beam positional stability
ISO 11810-1:2005	Lasers and laser-related equipment -- Test method and classification for the laser resistance of surgical drapes and/or patient protective covers -- Part 1: Primary ignition and penetration
ISO 11810-2:2007	Lasers and laser-related equipment -- Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers -- Part 2: Secondary ignition
ISO 11990-1:2011	Lasers and laser-related equipment -- Determination of laser resistance of tracheal tubes -- Part 1: Tracheal tube shaft
ISO 11990-2:2010	Lasers and laser-related equipment -- Determination of laser resistance of tracheal tubes -- Part 2: Tracheal tube cuffs

ISO 12005:2003	Lasers and laser-related equipment -- Test methods for laser beam parameters -- Polarization
ISO 13694:2000	Optics and optical instruments -- Lasers and laser-related equipment -- Test methods for laser beam power (energy) density distribution
ISO 13695:2004	Optics and photonics -- Lasers and laser-related equipment -- Test methods for the spectral characteristics of lasers
ISO 13697:2006	Optics and photonics -- Lasers and laser-related equipment -- Test methods for specular reflectance and regular transmittance of optical laser components
ISO 15367-1:2003	Lasers and laser-related equipment -- Test methods for determination of the shape of a laser beam wavefront -- Part 1: Terminology and fundamental aspects
ISO 15367-2:2005	Lasers and laser-related equipment -- Test methods for determination of the shape of a laser beam wavefront -- Part 2: Shack-Hartmann sensors
ISO 17526:2003	Optics and optical instruments -- Lasers and laser-related equipment -- Lifetime of lasers
ISO 21254-1:2011	Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1: Definitions and general principles
ISO 21254-2:2011	Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination

ISO 21254-3:2011	Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling capabilities
ISO 24013:2006	Optics and photonics -- Lasers and laser-related equipment -- Measurement of phase retardation of optical components for polarized laser radiation
ISO/TR 11146-3:2004	Lasers and laser-related equipment -- Test methods for laser beam widths, divergence angles and beam propagation ratios -- Part 3: Intrinsic and geometrical laser beam classification, propagation and details of test methods
ISO/TR 21254-4:2011	Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 4: Inspection, detection and measurement
ISO/TR 22588:2005	Optics and photonics -- Lasers and laser-related equipment -- Measurement and evaluation of absorption-induced effects in laser optical components
ISO/TS 17915:2013	Optics and photonics -- Measurement method of semiconductor lasers for sensing
ANSI Z136.1 and Z136.2 Combination Set	Safe Use of Lasers and Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources
ANSI Z136.1 and Z136.3 Combination Set	Safe Use of Lasers and Safe Use of Lasers in Health Care Facilities
ANSI Z136.1 and Z136.4 Combination Set	Safe Use of Lasers and Laser Safety Measurements for Hazard Evaluation

ANSI Z136.1 and Z136.5 Combination Set	Safe Use of Lasers and Safe Use of Lasers in Educational Institutions
ANSI Z136.1 and Z136.6 Combination Set	Safe Use of Lasers and Safe Use of Lasers Outdoors
ANSI Z136.1 and Z136.7 Combination Set	Safe Use of Lasers and Testing and Labelling of Laser Protective Equipment
ANSI Z136.1 and Z136.8 Combination Set	Safe Use of Lasers and Safe Use of Lasers in Research, Development, or Testing
ANSI Z136.1 and Z136.9 Combination Set	Safe Use of Lasers and Safe Use of Lasers in Manufacturing Environments
ANSI Z136.3-2011	American National Standard for Safe Use of Lasers in Health Care
ANSI Z136.4-2010	American National Standard Recommended Practice for Laser Safety Measurements for Hazard Evaluation
ANSI Z136.5- 2009	American National Standard for Safe Use of Lasers in Educational Institutions
ANSI Z136.6-2005	American National Standard for Safe Use of Lasers Outdoors
ANSI Z136.8-2012	American National Standard for Safe Use of Lasers in Research, Development, or Testing
(g) Lithotripsy equipment IEC 60601-2-36:1997	Medical electrical equipment - Part 2-36: Particular requirements for the safety of equipment for extracorporeally induced lithotripsy

(h) Magnetic resonance imaging (MRI) equipment

IEC 60601-2-33:2013
(Ed.3.1) Consol with amd1

Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis

(i) Microwave therapy equipment

IEC 60601-2-3:2012 (Ed.3)

Medical electrical equipment - Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment

IEC 60601-2-6: 2012 (Ed. 2.0)

Medical electrical equipment - Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment

IEC/TRF 60601-2-3:2014
(Ed.4)

This Test Report Form applies to: IEC 60601-2-3: 2012 (Third Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

IEC/TRF 60601-2-6:2013
(Ed. 3)

This Test Report Form applies to: IEC 60601-2-6: 2012 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition) + A1:2012

(j) Nerve and muscle simulators

IEC 60601-2-10:2012

Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators

(k) Patient monitoring equipment

IEC 60601-2-49:2011

Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment

IEC 80601-2-59:2008 Medical electrical equipment -- Part 2-59: Particular requirements for basic safety and essential performance of screening thermographs for human febrile temperature screening

ISO/TR 13154:2009 Medical electrical equipment -- Deployment, implementation and operational guidelines for identifying febrile humans using a screening thermograph

(l) Radiographic equipment (Brachytherapy)

IEC 60601-2-17:2013(Ed. 3) Medical electrical equipment - Part 2-17: Particular requirements for the safety of automatically-controlled brachytherapy afterloading equipment

ISO 21439:2009 Clinical dosimetry -- Beta radiation sources for brachytherapy

(m) Radiographic equipment (Gamma Beam)

IEC 60601-2-11:2013 (Ed.3) Medical electrical equipment - Part 2-11: Particular requirements for the basic safety and essential performance of gamma beam therapy equipment

IEC/TRF 60601-2-11:2014 This test report applies to IEC 60601-2-11:2013 (Third Edition)

(n) Radiographic equipment (X-Ray)

IEC 60601-1-3:2008/A1:2013 Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment

IEC 60601-2-1:2014 (Ed.3.1) Consol with am1 Medical electrical equipment - Part 2-1: Particular requirements for the basic safety and essential performance of electron accelerators in the range 1 MeV to 50 MeV

IEC 60601-2-28:2010 (Ed. 2)	Medical electrical equipment. Part 2-28: Particular requirements for the safety of X-ray source assemblies and X-ray tube assemblies for medical diagnosis
IEC 60601-2-32:2006 (Ed.2)	Medical electrical equipment. Part 2-32: Particular requirements for the safety of associated equipment of X-ray equipment
IEC 60601-2-43:2010 (Ed. 2)	Medical electrical equipment - Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures
IEC 60601-2-44:2009/ A1:2012 (Ed 3.1)	Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography
IEC 60601-2-45:2011(Ed.3)	Medical electrical equipment - Part 2-45: Particular requirements for the safety of mammographic X-ray equipment and mammographic stereotactic devices
IEC 60601-2-54:2009 (Ed.1)	Medical electrical equipment - Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy
IEC 60601-2-7:2007 (Ed.2)	Medical electrical equipment. Part 2-7: Particular requirements for the safety of high voltage generators of diagnostic X-ray generators
IEC 60601-2-8:2010 (Ed.2)	Medical electrical equipment - Part 2-8: Particular requirements for basic safety and essential performance of therapeutic X-ray equipment operating in the range 10 kV to 1 MV

IEC/ TRF 60601-2-54:2014 (Ed. 2)	This Test Report Form applies to: IEC 60601-2-54 (1st Edition): 2009
IEC/TRF 60601-2-1:2014 (Ed.5)	This Test Report applies to: IEC 60601-2-1:2009 (First Edition) for use in conjunction with IEC 60601-1: 2005 (Third Edition)
IEC/TRF 60601-2-28:2010 (Ed.3)	This Test Report Form applies to IEC 60601-2-28:2010 (Second Edition) for use in conjunction with IEC 60601-1: 2005 (Third Edition)
IEC/TRF 60601-2-43:2011 (Ed. 2)	This Test Report Form applies to IEC 60601-2-43: 2010 (Second Edition): for use in conjunction with IEC 60601-1: 2005 (Third Edition)
IEC/TRF 60601-2-45:2012 (Ed.3)	This Test Report Form applies to IEC 60601-2-45: 2011 (Third Edition) for use with IEC 60601-1: 2005 (Third Edition)
IEC/TRF 60601-2-8:2013 (Ed.3)	This Test Report Form applies to IEC 60601-2-8: 2010 (Second Edition) for use with IEC 60601-1: 2005, CORR.1: 2006 + CORR.2: 2007
ISO 3665:2011	Photography -- Intra-oral dental radiographic film and film packets -- Manufacturer specifications
ISO 5799:1991	Photography -- Direct-exposing medical and dental radiographic film/process systems -- Determination of ISO speed and ISO average gradient
(o) Radiotherapy stimulators	
IEC 60601-2-29:2008	Medical electrical equipment. Part 2-29: Particular requirements for the basic safety and essential performance of radiotherapy stimulators

(p) Thermometers

ISO 80601-2-56:2009 Medical electrical equipment -- Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement

(q) Ultrasonic monitoring/therapy equipment

IEC 60601-2-37:2007 (Ed.2) Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnosis and monitoring equipment

IEC 60601-2-5:2009 (Ed.3) Medical electrical equipment - Part 2-5: Particular requirements for the basic safety and essential performance of ultrasonic physiotherapy equipment

IEC/TRF 60601-2-37:2008 (Ed.5) This Test Report Form applies to IEC 60601-2-37:2007 (Second Edition) for use in conjunction with IEC 60601-1:2005 (Third Edition)

IEC/TRF 60601-2-5:2013 (Ed.5) This Test Report Form applies to IEC 60601-2-5: 2009 (Third Edition.) for use with IEC 60601 1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) + A1:2012

4.12 Transfusion, infusion and injection equipment

IEC 60601-2-24:1998 Medical electrical equipment Part 2-24: Particular requirements for the safety of infusion pumps and controllers

ISO 10985:2009 Caps made of aluminium-plastics combinations for infusion bottles and injection vials -- Requirements and test methods

ISO 1135-3:1986	Transfusion equipment for medical use -- Part 3: Blood-taking set
ISO 1135-4:2012	Transfusion equipment for medical use -- Part 4: Transfusion sets for single use
ISO 11418-1:2005	Containers and accessories for pharmaceutical preparations -- Part 1: Drop-dispensing glass bottles
ISO 11418-2:2005	Containers and accessories for pharmaceutical preparations -- Part 2: Screw-neck glass bottles for syrups
ISO 11418-3:2005	Containers and accessories for pharmaceutical preparations -- Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms
ISO 11418-5:1997	Containers and accessories for pharmaceutical preparations -- Part 5: Dropper assemblies
ISO 11418-7:1998	Containers and accessories for pharmaceutical preparations -- Part 7: Screw-neck vials made of glass tubing for liquid dosage forms
ISO 15010:1998	Disposable hanging devices for transfusion and infusion bottles -- Requirements and test methods
ISO 15137:2005	Self-adhesive hanging devices for infusion bottles and injection vials -- Requirements and test methods
ISO 15375:2010	Medical infusion bottles -- Suspension devices for multiple use -- Requirements and test methods
ISO 15747:2010	Plastic containers for intravenous injections

ISO 15759:2005	Medical infusion equipment -- Plastics caps with inserted elastomeric liner for containers manufactured by the blow-fill-seal (BFS) process
ISO 21649:2006	Needle-free injectors for medical use -- Requirements and test methods
ISO 22413:2010	Transfer sets for pharmaceutical preparations -- Requirements and test methods
ISO 28620:2010	Medical devices -- Non-electrically driven portable infusion devices
ISO 3826-1:-:2013	Plastics collapsible containers for human blood and blood components -- Part 1: Conventional containers
ISO 3826-2:2008	Plastics collapsible containers for human blood and blood components -- Part 2: Graphical symbols for use on labels and instruction leaflets
ISO 3826-3:2006	Plastics collapsible containers for human blood and blood components -- Part 3: Blood bag systems with integrated features
ISO 6710:1995	Single-use containers for venous blood specimen collection
ISO 8362-1:2009	Injection containers and accessories -- Part 1: Injection vials made of glass tubing
ISO 8362-2:2008	Injection containers and accessories -- Part 2: Closures for injection vials
ISO 8362-3:2001	Injection containers and accessories -- Part 3: Aluminium caps for injection vials

ISO 8362-4:2011	Injection containers and accessories -- Part 4: Injection vials made of moulded glass
ISO 8362-5:2008	Injection containers and accessories -- Part 5: Freeze drying closures for injection vials
ISO 8362-6:2010	Injection containers and accessories -- Part 6: Caps made of aluminium-plastics combinations for injection vials
ISO 8362-7:2006	Injection containers and accessories -- Part 7: Injection caps made of aluminium-plastics combinations without overlapping plastics part
ISO 8536-1:2011	Infusion equipment for medical use -- Part 1: Infusion glass bottles
ISO 8536-2:2010	Infusion equipment for medical use -- Part 2: Closures for infusion bottles
ISO 8536-3:2009	Infusion equipment for medical use -- Part 3: Aluminium caps for infusion bottles
ISO 8536-4:2010	Infusion equipment for medical use -- Part 4: Infusion sets for single use, gravity feed
ISO 8536-4:2010/ Amd 1:2013	Infusion equipment for medical use -- Part 4: Infusion sets for single use, gravity feed – <i>Amendment 1</i>
ISO 8536-5:2004	Infusion equipment for medical use -- Part 5: Burette infusion sets for single use, gravity feed
ISO 8536-6:2009	Infusion equipment for medical use -- Part 6: Freeze drying closures for infusion bottles

ISO 8536-7:2009	Infusion equipment for medical use -- Part 7: Caps made of aluminium-plastics combinations for infusion bottles
ISO 8536-8:2004	Infusion equipment for medical use -- Part 8: Infusion equipment for use with pressure infusion apparatus
ISO 8536-9:2004	Infusion equipment for medical use -- Part 9: Fluid lines for use with pressure infusion equipment
ISO 8536-10:2004	Infusion equipment for medical use -- Part 10: Accessories for fluid lines for use with pressure infusion equipment
ISO 8536-11:2004	Infusion equipment for medical use -- Part 11: Infusion filters for use with pressure infusion equipment
ISO 8536-12:2001	Infusion equipment for medical use -- Part 12: Check valves
ISO 8536-12:2001/ Amd 1:2012	Infusion equipment for medical use -- Part 12: Check valves – <i>Amendment 1</i>
ISO 8871-1:2003	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 1: Extractables in aqueous autoclavates
ISO 8871-2:2003	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 2: Identification and characterization
ISO 8871-2:2003 / Amd 1:2005	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 2: Identification and characterization – <i>Amendment 1</i>

ISO 8871-3:2003	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 3: Determination of released-particle count
ISO 8871-4:2006	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 4: Biological requirements and test methods
ISO 8871-5:2005	Elastomeric parts for parenterals and for devices for pharmaceutical use -- Part 5: Functional requirements and testing
ISO 8872:2003	Aluminium caps for transfusion, infusion and injection bottles -- General requirements and test methods
ISO 9187-1:2010	Injection equipment for medical use -- Part 1: Ampoules for injectables
ISO 9187-2:2010	Injection equipment for medical use -- Part 2: One-point-cut (OPC) ampoules

5. Product Standards (In Vitro Diagnostic (IVD) Medical Devices)

5.1 Glucose meters

ISO 15197:2013	In vitro diagnostic test systems -- Requirements for blood-glucose monitoring systems for self-testing in managing diabetes mellitus
ISO/IEEE 11073-10417:2014	Health informatics -- Personal health device communication -- Part 10417: Device specialization -- Glucose meter