

# Standards for Reprocessing Processes (1)

Validation	Sterilizers	Washing Disinfection	Chemical Indicators	Biological Indicators	Packaging
<b>EN ISO 14937</b> Requirements for development, validation and routine monitoring of all sterilization processes	<b>EN 285</b> Requirements for large sterilizers (over 54 l)	<b>EN ISO 15883-1</b> General Requirements for washer/disinfectors	<b>EN 867-5</b> Chemical indicator systems for steam sterilizers (Test standard for hollow load test), <b>will be replaced by ISO 11140-6</b>	<b>EN ISO 11138-1</b> General requirements and classifications on Biological indicators (BI)	<b>EN ISO 11607-1</b> Packaging of medical devices
<b>EN ISO 11135</b> EO processes	<b>EN 13060</b> Requirements for small sterilizers (below 54 l)	<b>EN ISO 15883-2</b> W/D requirements for surgical instruments	<b>EN ISO 11140-1</b> General requirements, definition and test procedure for chemical indicators (CI)	<b>EN ISO 11138-2</b> BI for EO sterilization	<b>EN ISO 11607-2</b> Validation requirements for forming processes
<b>EN ISO 11137-1 -3</b> Radiation processes	<b>EN 14180</b> Requirements for LTSF sterilizers	<b>EN ISO 15883-3</b> W/D requirements for containers for human waste	<b>EN ISO 11140-3</b> Requirements for the original BD-test page	<b>EN ISO 11138-3</b> BI for steam sterilization	<b>DIN CEN ISO/TS 16775</b> Guidance for the application of EN ISO 11607-1+2
<b>DIN CEN ISO/TS 13004</b> Radiation processes	<b>EN 1422</b> Requirements for EO sterilizers	<b>EN ISO 15883-4</b> W/D requirements for themolabile endoscopes	<b>EN ISO 11140-4</b> Test requirements for BD-Simulation tests	<b>EN ISO 11138-4</b> BI for dry heat sterilization	<b>EN 868 Series 2-10</b> Packaging of sterile goods
<b>EN ISO 17665-1 -3*</b> Steam processes	<b>EN ISO 18472</b> Requirements for test sterilizers (resistometers)	<b>EN ISO 15883-5</b> W/Ds – test soils and methods	<b>ISO 11140-5</b> Test requirements for the US BD-test	<b>EN ISO 11138-5</b> BI for LTSF sterilization	
<b>EN ISO 25424</b> LTSF processes	<b>prEN 17180</b> Sterilizer for H2O2 sterilization processes	<b>EN ISO 15883-6</b> W/Ds – Requirements and tests for general purpose W/Ds with thermal disinfection	<b>ISO/WD 11140-6</b> Type 2 indicators and PCDs as sterilizer tests replacing EN 867-5	<b>EN ISO/WD 11138-6</b> BI for H <sub>2</sub> O <sub>2</sub> sterilization processes	
<b>EN ISO 14937</b> also for H <sub>2</sub> O <sub>2</sub> / Plasma processes, since no special standard available	<b>EN 12347</b> Biotechnology - Performance criteria for steam sterilizers and autoclaves	<b>EN ISO 15883-7</b> W/Ds – Requirements and tests for general purpose W/Ds with chemical disinfection for bedframes, containers, etc.	<b>EN ISO 15882</b> Guidance for the selection, use and interpretation of the results for chemical indicators	<b>EN ISO 11138-7 (old ISO 14161)</b> Guidance for the selection, use and interpretation of the results for biological indicators	
<b>ISO/WD 22441</b> H <sub>2</sub> O <sub>2</sub> processes		<b>DIN 58341</b> Requirements for the validation of cleaning & disinfection processes		<b>EN ISO 11138-8</b> Biological indicators – Reduced Incubation Time (RIT)	
<b>EN ISO 20857</b> Dry heat processes		<b>EN 16442</b> Storage cabinet for endoscopes			
<b>EN ISO 17664-1</b> Information about reprocessing of re-usable medical devices					
<b>ISO 17664-2</b> Non-critical medical devices					
<b>DIN 58921</b> Validation of medical device simulators (MDS) (English version available)					
<b>EN 556-1</b> Definition: Sterility Assurance Level					

\*Part 2+3 will be deleted and the content will be integrated in the new ISO/CD 17665-2 Moist heat sterilization of medical devices

red = in development

European Medical Device Regulation (MDR) 2017/745

# Standards for Reprocessing Processes (2)

Pharmaceutical Procedures	Sterilizing agents	Disinfectants and disinfectors	Aseptical Production	Additional standards	
<b>DIN 58950-1</b> Definitions	<b>EN ISO 14160</b> Liquid chemical sterilizing agents for medical devices	<b>EN 1499</b> Hygienic cleaning of hands	<b>EN ISO 13408-1</b> General Requirements	<b>EN 1041</b> Information supplied by the manufacturer of medical device	<b>ISO/TS 11139</b> Terms and definitions in sterilization standards
<b>DIN 58950-2</b> Technical requirements		<b>EN 1500</b> Hygienic hand disinfection	<b>EN ISO 13408-2</b> Filtration	<b>EN 15224</b> Healthcare services	<b>EN ISO 11737-1, -2</b> Microbiological methods
<b>DIN 58950-3</b> Tests		<b>DIN 12353</b> Preservation of test organisms	<b>EN ISO 13408-3</b> Lyophilization	<b>EN ISO 13485</b> Medical device quality management system	<b>EN ISO 14971</b> Risk management of medical devices
<b>DIN 58950-6</b> Operation		<b>EN 17272</b> Chemical disinfectants and antiseptics für room disinfection	<b>EN ISO 13408-4</b> Clean-in-place technologies	<b>EN ISO 15223-1</b> Symbols for labeling of medical devices	<b>EN 15986</b> Symbols to mark medical devices
<b>DIN 58950-7</b> Requirements on services and local environment		<b>DIN 58949</b> Steam disinfection apparatus	<b>EN ISO 13408-5</b> Sterilization in place	<b>EN ISO 10993-1 -17</b> Classification of medical devices	<b>DIN 58953-6</b> Test of microbial barrier of packaging material
		<b>RKI<sup>1</sup> list of tested disinfectants and disinfection processes</b>	<b>EN ISO 13408-6</b> Isolator systems	<b>EN 61010-1</b> General safety requirements for sterilizers and WDs	<b>DIN 58953-7</b> Application technology packaging material
		<b>VAH<sup>2</sup> list of disinfectants</b>		<b>EN IEC 61010-2</b> Particular safety requirements for sterilizers and WDs	<b>DIN 58953-8</b> Logistic of sterile MD
				<b>EN ISO 12100</b> Safety of machinery – risk assessment	<b>DIN 58953-9</b> Application technology sterilization containers
				<b>EN 61326-1</b> EMC requirements for laboratory equipment	<b>DIN EN 13942</b> Dentistry –Reprocessing

<sup>1</sup> RKI = Robert Koch Institute, Germany

<sup>2</sup> VAH = Association for applied hygiene, Germany