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WS

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

WS/T 367-2012

**Regulation of disinfection technique in healthcare settings
(English Translation)**

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1 Scope

This standard specifies the management requirements for disinfection of medical institutions; the basic principles of disinfection and sterilization;

washing and cleaning, disinfection and sterilization methods; cleaning, disinfection and sterilization effect monitoring, etc.

This standard applies to all types of medical institutions of all levels and all types.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB/T 16886.7 Biological evaluation of medical devices - Part 7.Ethylene oxide sterilization residuals

GB 19258 Ultraviolet germicidal lamp

GB/T 19633 Packaging for terminally sterilized medical devices

GB 50333 Architectural technical code for hospital clean operating department

WS 310.1 Central sterile supply department (CSSD) - Part 1.Management standard

WS 310.2 Central sterile supply department (CSSD) - Part 2. Standard for operating procedure of cleaning, disinfection and sterilization

WS 310.3 Central sterile supply department (CSSD) - Part 3. Surveillance standard for cleaning, disinfection and sterilization

WS/T 311 Technique standard for isolation in hospitals

WS/T 313 Standard for hand hygiene for healthcare workers in healthcare settings

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Cleaning

It refers to the process of removing the organic matter, inorganic matter and visible pollutants from the surface of an object.

3.2

Washing

It refers to the whole process of removing the containments from the treatment instrument, appliance, and items, including washing, cleaning, rinsing and final rinsing.

3.3

Detergent

It refers to the reagent used in the washing process to remove the organic matter, inorganic matter and microorganisms from the items under treatment.

3.4

Disinfection

It refers to the treatment of removing or killing pathogenic microorganisms on the media in order to achieve harmlessness.

3.5

Disinfectant

It refers to the reagent which can kill the microbes on the media AND reach to the requirements of disinfection.

3.6

High-efficacy disinfectant

It refers to the disinfection reagent which can kill all bacterial propagules (including mycobacteria), viruses, fungi and spores, etc., AND have a certain killing effect against the bacterial spores.

4 Management requirements

4.1

The medical institutions shall, in accordance with the requirements of this regulation AND combining with the actual situation of the unit, establish the scientific and practical disinfection & sterilization system and standard operating procedures, AND make them implemented.

4.4

The disinfected products used by the medical institutions shall comply with the relevant national provisions, AND the relevant certificates of the disinfected products shall be reviewed and archived for reference.

4.5

The medical institutions shall maintain the clean and dry surface of the diagnosis and treatment environment, conduct timely and effective disinfection in the case of pollution; AND conduct regular disinfection against the departments of high infection risk.

4.6

The medical institutions shall, combining with the actual disinfection and sterilization work of the unit, provide the corresponding protective equipment for the workers engaging in the cleaning, disinfection and sterilization of the treatment instrument, appliance, and item, in order to protect the occupational safety of medical staff.

4.7

The medical institutions shall regularly check and monitor the disinfection work, conduct timely analysis and feedback, AND make corrections in time if finding problems.

4.8

Medical staff shall master the basic knowledge of disinfection and sterilization and occupational protection skills.

5.1 Basic requirements

5.1.1

The reusable treatment instrument, appliance and items shall, after use, be firstly cleaned and then disinfected or sterilized.

5.1.5

Disinfection products used in the disinfection of medical institutions shall be approved by the health administrative department OR comply with the relevant standard technical specifications, AND shall follow the approved scope, methods and precautions.

5.2 Selection principles of disinfection and sterilization method

5.2.1

The corresponding disinfection and sterilization method is selected based on the risk of infection after the item is contaminated.

5.3 Occupational protection

5.3.1

It shall take appropriate occupational protection measures in accordance with different disinfection and sterilization methods.

5.3.2

Occupational exposure to medical personnel shall be prevented during the recovery and cleaning of contaminated treatment instruments, appliances, and items.

5.3.3

Handling sharp instruments and appliances shall take effective protective measures to avoid or reduce the occurrence of weapon injuries.

6.1 Scope of application

Washing is applicable to all the moisture-resistant treatment instruments, appliances and items; AND cleaning is applicable to all kinds of item surfaces.

6.3 Precautions

6.3.1

The items with chamber or with uneven surface shall, after being soaked in detergent, be carefully brushed manually or cleaned ultrasonically. The complex items which can be disassembled shall be cleaned after disassembly.

6.3.2

Cleaning water and detergent shall comply with the provisions of WS

310.1.