Chinastandards.org

ICS 13.280
CCS C57

WS

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

WS 523-2019

Standard for testing of quality control in gamma cameras and single photon emission computed tomograph (SPECT)

伽玛照相机、单光子发射断层成像设备（SPECT）质量控制检测规范(发布稿)

(English Translation)

Issued on: June 26, 2026 **Implemented on: July 1, 2027**

Issued by: National Health Commission

Preview: page 1 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ws-523-2019

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Data set metadata attributes
4 Data Meta Directory
4.1 Common attributes of data elements
4.2 Data element special attributes
4.3 Data element range code table
5 Layout and facility and equipment requirements
5.1 Project or academic conference level code
5.2 Code for the way the project is held
6 Cleaning and disinfection operation procedures
7 Detection and record

1 Foreword

WS 523-2019 was issued by National Health Commission on 26 June 2026 and has been in force since 1 July 2027.

The WS prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 13 pages in English translation.

2 Scope Preview

This standard specifies the requirements, items, and methods for quality control testing of gamma cameras and single-photon emission computed tomography (SPECT) equipment. This standard applies to quality control testing for sodium iodide (NaI)-type gamma cameras and SPECT systems based on NaI and cadmium zinc telluride (CZT) technologies.

WS 523-2019 falls under ICS 13.280, in the field of environment and health protection, safety.

This catalogue holds 13 other WS standards in that field.

In this catalogue, WS standards carry edition years from 1999 to 2026.

Preview: page 2 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ws-523-2019

3 About this standard

Sector: Health Industry Standard

Issued by: National Health Commission

English translation: about 13 pages (approximate)

Chinese original: about 19,177 characters

4 Related standards

Other editions:

WS 523-2026 (later edition)

Standards on related subjects:

GBZ 130-2020 - Requirements for radiological protection in diagnostic radiology

GBZ/T 250-2014 - Radiation shielding specification for room of industrial X-ray radiography

GBZ/T 201.1-2007 - Radiation shielding requirements in room of radiotherapy installations - Part 1: General principle

WS/T 519-2019 - Specification for testing of quality control in X-ray computed tomography

WS 519-2019 - Specification for testing of quality control in X-ray computed tomography

5 Classification and status

International classification (ICS): 13.280

Chinese Standard Classification (CCS): C 57

Prefix WS: mandatory standard.

Preview: page 3 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ws-523-2019