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ICS 11.100
CCS C50

WS

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

WS/T 645.1-2018

Reference intervals for common clinical immunological tests - Part 1: Serum immunoglobulin G, immunoglobulin A, immunoglobulin M, complement 3, complement 4

临床常用免疫学检验项目参考区间第1部分：血清免疫球蛋白G、免疫球蛋白A、免疫球蛋白M、补体3、补体4

(English Translation)

Issued on: May 25, 2026 **Implemented on: November 1, 2026**

Issued by: National Health Commission

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https://chinastandards.org/standards/ws-t-645-1-2018

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1 Foreword

WS/T 645.1-2018 was issued by National Health Commission on 25 May 2026 and has been in force since 1 November 2026.

It is one of 3 parts of the WS/T 645 series.

The WS/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the reference intervals and their application for serum immunoglobulin G, immunoglobulin A, immunoglobulin M, complement 3, and complement 4 in Chinese adults aged 18 to 79. It applies to the reporting and interpretation of test results for serum immunoglobulin G (IgG), immunoglobulin A (IgA), immunoglobulin M (IgM), complement 3 (C3), and complement 4 (C4) by clinical laboratories in medical institutions; manufacturers of relevant in vitro diagnostic products may also use it as a reference.

WS/T 645.1-2018 falls under ICS 11.100, in the field of health care technology.

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This catalogue holds 489 other WS/T standards in that field.

In this catalogue, WS/T standards carry edition years from 1996 to 2026.

3 About this standard

Sector: Health Industry Standard (Recommended)

Issued by: National Health Commission

English translation: about 8 pages (approximate)

Chinese original: about 8,849 characters

4 Related standards

Other parts of this standard:

WS/T 645.2-2018 - Part 2: Serum alpha -fetoprotein, carcinoembryonic antigen, carbohydrate antigen 19-9, carbohydrate antigen 15-3, carbohydrate antigen 125

WS/T 645.2-2026 - Part 2: Serum alpha-fetoprotein, carcinoembryonic antigen, carbohydrate antigen 19-9, carbohydrate antigen 15-3, carbohydrate antigen 125

Other editions:

WS/T 645.1-2026 (later edition)

Standards on related subjects:

GB/T 26368-2020 - Hygienic requirements for iodine disinfectants

GB/T 26367-2020 - Hygienic requirements for biguanides disinfectants

GB/T 20468-2006 - General for internal quality control for quantitative measurements in clinical laboratory

5 Classification and status

International classification (ICS): 11.100

Chinese Standard Classification (CCS): C 50

Prefix WS/T: recommended standard.

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