

ICS 11.220

CCS B41



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

GB/T 17999.9-2008

Replacing GB/T 17999.8-1999

**SPF chicken - Microbiological surveillance - Part 9: Tube
agglutination test for SPF chicken**

SPF鸡 微生物学监测 第9部分：SPF鸡 试管凝集试验

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Foreword

GB/T 17999 "SPF chickens microbiological monitoring" is divided into 10 parts.

- The first part 1. SPF chicken microbiological monitoring General; Part
- Article 2. SPF chicken hemagglutination inhibition test; Part
- Section 3. SPF chicken serum neutralization test; Part
- Chapter 4. SPF chicken serum plate agglutination test; Part
- Article 5. SPF chicken agar diffusion test;
- Part 6. SPF chickens ELISA; Part
- Article 7. SPF chicken embryo susceptibility testing; Part
- Article 8. SPF chicken Salmonella testing;
- Part 9. SPF chickens tube agglutination test; Part
- Article 10. SPF chickens indirect immunofluorescence assay. This is Part 9 GB/T 17999 of. This Part replaces GB/T 17999.8-1999 "SPF chickens tube agglutination test." This section compared with the GB/T 17999.8-1999 The main changes are as follows:
 - Added Appendix A "Preparation of Reagents";
 - Modify the judgment agglutination test results;
 - Remove chicken Salmonella typhimurium test content;

1 Scope

GB/T 17999.9-2008 is the Chinese national standard on spf chicken - microbiological surveillance - part 9: tube agglutination test for spf chicken, in the field of health care technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December

2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS 11.220, CCS B41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 17999 specifies the technical requirements of the tube agglutination test. This section applies to SPF chickens Salmonella serum antibodies. Serum plate agglutination test carried out to detect Salmonella antibody, the result is difficult to judge, it can be part of this re-examination. Principle

2 After the bacterial antigen and the corresponding antibody binding, an appropriate amount of electrolyte in the participation, after a period of time appear visible agglutination, The results determined in agglutination titer expressed.

3 Reagents and Equipment

3.1 Reagents Pullorum antigen (bacteria 109CFU), the standard positive and negative sera, sera were seized, 0.5% phenol saline (see preparation method Appendix A).

3.2 Equipment Tube (diameter 8mm ~ 10mm). Procedure 4

4.1 take five test tubes, the first one carbolic acid saline 1.8mL, plus the rest of the tube 1mL, plus the first one was seized serum 0.2mL, and Carbolic acid saline mix (

1:10 dilution), moved to take 1mL first two consecutive dilution through 4, from 4 aspirate 1mL Discarded, the tubes last serum dilution were 1.20,1.40,1.80,1.160,1.320.

4.2 antigen solution was added to each tube 1mL.

4.3 Antigen Control. 1mL plus antigen solution in a test tube, add 0.5% phenol saline 1mL.

4.4 positive serum control. A positive serum was diluted to a working concentration (according to instructions). Plus antigen solution in a test tube 1mL, diluted Yang Serum 1mL.

4.5 Negative serum control. with positive serum dilution use.

4.6 After shaking the test tube at 37 °C incubator incubation, 24h later moved to 4 °C ~ 8 °C refrigerator overnight.

4.7 Results observation. antigen control results and negative serum controls, showed "-", the positive control serum showed varying degrees of aggregation, show trials established. The results are shown in Table 1 agglutination judgment. Agglutination titer to render "++" serum agglutination test tube as the highest dilution of the serum agglutination titer. Table 1

agglutination test result determination Category result of the determination in vitro findings
1 big block of aggregation, the supernatant liquid is completely transparent ++++ 2
significant aggregates, the supernatant was 75% transparency +++ 3 show no visible
agglutination particles, supernatant transparency up to 50% + Positive 4 slight visible
aggregate particles, the supernatant was suspicious transparency of 25% ±

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