

ICS 65.020.30

CCS B44



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

GB/T 14926.46-2008

Replacing GB/T 14926.46-2001

Laboratory animal - Method for examination of leptospira spp

实验动物 钩端螺旋体检测方法

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB/T 14926 "animal" part of a total of 54, different microbes and virus detection methods. Since the implementation of this section instead of GB/T 14926.46-2001 "animal leptospirosis detection methods." This part of the main technical differences compared with the GB/T 14926.46-2001 as follows:

- a) the principle part of the increase microscopic agglutination test principle;
- b) the original standard "

6.1 tube agglutination test" to "microscopic agglutination test"; "

1 Scope

GB/T 14926.46-2008 is the Chinese national standard on laboratory animal - method for examination of leptospira spp, in the field of agriculture. 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 3 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 March 2009.

Classification: ICS 65.020.30, CCS B44. 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.

GB/T 14926 provisions of this part of the detection method of experimental animals leptospirosis. This section applies to the detection of canine leptospirosis.

2 Normative references

The following documents contain provisions which, through reference

GB/T 14926 in this section constitute provisions of this section. For dated reference

documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 14926.42 bacteriological detection of animal specimen collection

GB/T 14926.43 animal bacteriological detection Staining, media and reagents ELISA

GB/T 14926.50 Experimental Animals Principle

3 *Leptospira* antigen-specific antibody with the corresponding encounter occurred agglutination in the presence of a suitable electrolyte, such aggregation are generally required to use Dark-field microscopy. *Leptospira* antigen and serum to be tested in the specific antibody binding, the formation of antigen-antibody complex. This antigen-antibody complex is still guaranteed Maintain their antigenic activity, it can be bound with a corresponding second antibody enzyme conjugates. In reaction catalyzed by the enzyme substrate to produce a colored substance. Proportional to the amount and depth of color of the reaction of the tested serum contained specific antibodies.

4 major equipment and materials

4.1 ordinary incubator.

4.2 stereomicroscope.

4.3 constant temperature water bath.

4.4 high-speed centrifuges.

4.5 ultrasonic cell pulverizer.

4.6 microplate reader.

4.7 micro pipette, capacity 5 μ L ~ 50 μ L and 50 μ L ~ 200 μ L.

5.6 ELISA antigen

5.6.1 *Leptospira* culture. each group *Leptospira* strain was inoculated Korthof standard medium, 28 °C cultured 5d ~ 7d.

6.1.2.2 Table

1 Quantitative *Leptospira* Significant agglutination test method of operation "to" *Leptospira* quantitative microscopic agglutination test methods of operation ";

c) modify all the content on the original standard ELISA test;

d) increase the "7 results judgment" in the original standard. This part of the National Standardization Technical Committee of experimental animals and focal points. This part of

the National Standardization Technical Committee responsible for drafting the experimental animals. The main drafters of this section. Fan Wei, TIAN Ke-gong, He contention. This Part replaces the previous editions are.

--- GB/T 14926.46-2001. Leptospirosis Laboratory Animal Detection

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