

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

SN/T 1314-2003

**Protocol of counter immunoelectrophoresis for mink aleutian
disease**

水貂阿留申病对流免疫电泳操作规程

(English Translation)

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Foreword

This standard electrophoresis operation method refers to the quarantine method of the Animal Quarantine Operation Regulations (1988 edition) of the Ministry of Agriculture, and has developed sample loading.

Pre-processing method.

Appendix A of this standard is a normative appendix.

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. Beijing Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China.

1 Scope

This standard specifies the operating procedures for convective immunoelectrophoresis testing of leech Aleutian disease.

This standard is applicable to the detection of influent Aleutian disease antibodies by convection immunoelectrophoresis.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata

content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study it is possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 6682 Analytical laboratory water specifications and test methods

3.1 Instruments and equipment

3mm thick 100mm x 45mm glass plate; voltage 0V ~ 300V, current 0mA ~ 50mA electrophoresis instrument; width 100mm Electrophoresis tank; 3mm diameter puncher; 100μL micro-adjustable pipette and matching tip; plastic capillary blood collection tube.

Barbital sodium 10.31g Tris-hydroxymethylaminomethane 6.005g Sodium azide 0.2g Secondary water (in accordance with GB/T 6682) 1000mL After adding the appropriate amount of secondary water (according to GB/T 6682), dissolve the pH value to 8.5-8.6 with hydrochloric acid, and finally use the second grade.

Water (in accordance with GB/T 6682) to a volume of 1000mL.

3.3 Agarose

Analytically pure agarose for domestic or imported electrophoresis.

3.4 Antigen

It was prepared from a cat kidney passage cell culture of the Aleutian virus international standard strain Utah-1. Provided by the designated unit.

3.5 Serum

3.5.1

Positive serum. provided by the designated unit.

3.5.2

Negative serum. provided by the designated unit.

3.5.3

Serum to be tested. Blood is collected from the tip of the toe with a plastic capillary tube. The two ends of the tube are sealed and sealed, placed in an environment of 20 ° C to 30 ° C for 1 h, and then placed.

4 ° C refrigerator 18h ~ 20h, precipitated serum, add 0.5mL or 1.5mL centrifuge tube, centrifuge at 3000r/min for 5min, take the supernatant spare.

4.1 Boarding

Take 3mm thick 100mm x 45mm horizontal scratch-free glass plate, wash the oil, put it on the horizontal table, use 10mL the pipette draws 0.8% agarose buffer which has been dissolved and cooled to about 70 ° C, and is evenly spread on a glass plate with a thickness of 3 mm.

When the glass plate is surrounded by a baffle, it will be used after cooling and solidification, and it will be used up on the same day.