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CCS Y51

JY

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

JY/T 0071-2011

Replacing JY 71-1982

**Difficult to hang stem vertical (horizontal) cut
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009 "Guidelines for Standardization Work_Part 1. Structure and Preparation of Standards" this standard replaces JY 71-1982 "Technical Conditions for Cross-cutting Pumpkin Stem and Longitudinal Cutting of Pumpkin Stem". In addition to editorial changes, major technical changes as follows.

- Eliminate the "slice thickness between 15 and 25 microns" which is difficult to inspect;
- Cancel the classification of the original qualified products into first-class products and second-class products.

Please note that some elements of this standard may involve patents. The issuer of this standard is not responsible for identifying these patents.

This standard was proposed by the National Technical Committee for Standardization of Teaching Instruments (SAC/TC125).

This standard is under the jurisdiction of the National Technical Committee for Standardization of Teaching Instruments (SAC/TC125).

Standard JY 71-1982 drafting unit. Wuhan Teaching Instrument Factory.

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This standard was drafted. Teaching Instrument Research Institute of the Ministry of

Education.

1 Scope

This standard specifies the classification and nomenclature, requirements, test methods, inspection rules, signs, instructions, packaging, Transportation and storage.

This standard applies to vertical (horizontal) cut glass slide specimens of pumpkin stems for primary and secondary school teaching.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

JY 0026 -1991 teaching instrument and teaching equipment product model naming method
JY/T 0067 -2011 General requirements for biological slide specimens

3.1 Classification

The products are divided according to the direction of the slice. pumpkin stem vertical cut and pumpkin stem cross cut.

3.2 Model Nomenclature

The composition and form of the product model follow the provisions of JY 0026-1991.

3.3 Model Nomenclature

Pumpkin stem vertical and horizontal cutting model named.

SP-NGJ-HQ-100

Product specifications microscope magnification, 100 means 100 times magnification the product feature code adopts the slice direction in the production process, and is cut into HQ, Slitting to ZQ the pinyin prefix of the product is "pumpkin stem", that is, NGJ the classification code of the product model is SP Model example.

SP-NGJ-HQ-100 indicates that the pumpkin stem needs to be viewed with a microscope at a magnification of 100 times or more.

SP-NGJ-ZQ-100 represents a longitudinal cut of a pumpkin stalk that needs to be observed with a microscope more than 100 times.

4 Requirements

4.1

Slides and coverslips, appearance, specimen collection and processing, specimen staining, and specimen covers should comply with JY/T 0067-2011 Chapter 4.

4.2

Specimens should be obtained from pumpkin stems grown in the field, which are moderately old and young.

4.3

The cortical, mechanical tissue, thin-walled tissue, bifidus vascular bundle, and medullary cavity should be visible on the longitudinal (transverse) section.

4.4

The double-flexible vascular bundle on the longitudinal section should clearly show at least two of the ring-shaped conduit, the threaded conduit or the mesh-shaped conduit, and the sieve tube and the sieve plate.

Structural characteristics.

4.5

The slitting material should be neat at both ends and the length should not be less than 5mm.

4.6

The double-flexible vascular bundle on the cross section should clearly show the catheter, formation layer, sieve tube and sieve plate, and the sieve plate has sieve holes.

4.7

The transverse section should be perpendicular to the longitudinal axis, and the cells in each part should not be tilted.

4.8

Specimens were stained with crocus and fast green, or other multiple staining methods. Differentiate mechanical structure, xylem ducts and other tissue structures Show.

4.9

In the longitudinal (transverse) section, the surface damage should not exceed 1/4.

4.10

Parenchyma cells should not shrink more than 10%.

5 Test method

5.1

According to the provisions of Chapter 5 of JY/T 0067-2011.

5.2

Specimens are examined at a microscope magnification of 100 times.

6 Inspection rules

6.1

Implementation of the relevant provisions of Chapter 6 of JY/T 0067-2011.

6.2

The main performance indicators in this standard are 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9 and 4.10.

7 Signs, instructions, packaging, transportation and storage

Should comply with the relevant provisions of Chapter 7 of JY/T 0067-2011.