

कृत्रिम गर्भाधान उपकरण — गॉब्लेट —
विशिष्टि
(पहला पुनरीक्षण)

Artificial Insemination Equipment —
Goblets — Specification
(First Revision)

ICS 65.020.30

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Animal Husbandry and Equipment Sectional Committee had been approved by the Food and Agriculture Division Council.

Goblets are used for storing frozen semen straws in cryo containers filled with liquid nitrogen. These are used by all the semen centres/stations across the country, therefore, the specifications of these goblets are crucial to be maintained and need to be standardized for reducing the variability and non-uniformity in colour and dimensions.

In this revision, the standard has been brought out in the latest style and format of the Indian Standards and following major modifications have been made based on the recent manufacturing practices:

- a) Use of aluminum for manufacture of goblets has been omitted and only high-density polyethylene recommended;
- b) Classification of goblets into types have been removed and dimensional requirements have been updated accordingly; and
- c) Goblets are recommended to be of white color only for establishing uniformity and easy identification of stored semen.

The composition of the Committee responsible for the formulation of this standard is given in [Annex A](#).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

ARTIFICIAL INSEMINATION EQUIPMENT — GOBLETS — SPECIFICATION

(*First Revision*)

1 SCOPE

This standard prescribes the material, dimensions and other requirements for goblets (see Fig. 1).

2 REFERENCE

The standards given below contain provisions which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated was valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of this standard:

<i>IS No.</i>	<i>Title</i>
IS 7328 : 2020	Specification for polyethylene material for moulding and extrusion (<i>third revision</i>)

3 MATERIALS

The goblet shall be made of high-density polyethylene (see IS 7328).

4 DIMENSIONS

4.1 The height (H) of goblet shall be 120 mm \pm 1 mm and the outer diameter (D) of goblet may vary based on the requirement however, the permissible tolerance on the outer diameter shall be \pm 0.5 mm.

4.2 The wall thickness of the goblet shall be 1.0 mm respectively. The tolerances on the thickness shall be \pm 0.1 mm.

5 MANUFACTURE AND FINISH

The goblets shall be evenly and smoothly finished and shall be free from holes, pits, cracks, grooves and other defects. It shall be white coloured for easy identification of stored semen.

6 PACKING

The goblets shall be packed as agreed to between the purchaser and the supplier.

7 MARKING

7.1 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

7.2 Each goblet shall be marked with the following particulars:

- a) Name of the material;
- b) Batch or code number; and
- c) Indication of the source of manufacture.

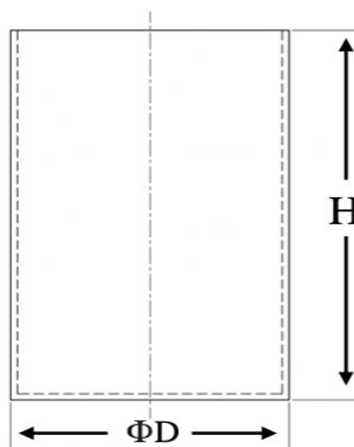


FIG. 1 GOBLET

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ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Animal Husbandry and Equipment Sectional Committee, FAD 32

<i>Organization</i>	<i>Representative(s)</i>
Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu, Jammu	DR BHUPENDRA NATH TRIPATHI (<i>Chairperson</i>)
All India Poultry Breeders Association, New Delhi	DR A. K. RAJPUT DR R. K. JAISWAL (<i>Alternate</i>)
Animal Welfare Board of India, Faridabad	MS PRACHI JAIN DR DEBALINA MITRA (<i>Alternate</i>)
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ICAR - Central Sheep and Wool Research Centre, Avikanagar	DR RANDHIR SINGH BHATT DR SROBANA SARKAR (<i>Alternate</i>)
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FAD 32 : P2

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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