

# ISTA

## INTERNATIONAL SEED TESTING ASSOCIATION

### SEED LABORATORY IN 07



## Seed Quality Testing Catalogue



*Indo-American Hybrid Seeds(India) Pvt.Ltd.*

*Symbolising Quality Since 1965*

ESTD. 1965

Genetic Purity DNA

Seed Health

Seed Viability & Vigour

Seed Testing

ISTA Certificates

# **INTERNATIONAL SEED TESTING ASSOCIATION (ISTA) ACCREDITED SEED TESTING LABORATORY INML 07 Indo-American Hybrid Seeds (I) Pvt. Ltd. BANGALORE, INDIA.**

Seed testing laboratory INML07 of the Indo-American Hybrid Seeds (India) Pvt. Ltd. (IAHS) was established in the year 1991 and has been an ISTA member since 1999. In November 15, 2002, INML07 became the First Indian seed testing laboratory accredited by the ISTA and authorized to issue Orange International Seed Lot Certificate and Blue International Seed Sample Certificate to Public and Private seed companies.



## **LAB MISSION**

1. Testing seed lots for National and International Seed Trade,
2. Use of standardized and validated seed testing methods in accordance to the ISTA Rules & Accredited Standards based on ISO 25
3. Provide quick, accurate seed testing services,
4. Speed up our activity to satisfy our clients with precision seed testing

## **INTERNATIONAL COLLABORATION**

Seed Testing Laboratory is associated with the International Society of Seed Technologists, USA (ISST) as colleague member.

## AFFILIATION :

Indo-American Hybrid Seeds (I) Pvt. Ltd. is affiliated with International Seed Federation (ISF) and Asia and Pacific Seed Association (APSA) and Member of the National Seed Association of India (NSAI), New Delhi.

## SERVICES OFFERED :

Seed Testing Laboratory conducts the following tests:  
As per the ISTA Rules for Seed Testing:

- ❑ Physical Purity: Pure seed %; Inert matter % and Other seeds %;
- ❑ Determination of other seeds by number
- ❑ Germination test:
- ❑ Quick Viability Test by Tetrazolium test
- ❑ Determination of moisture content;



## Seed Vigor Testing:

- ❑ Cool test for Cotton- as per ISTA Rules for Seed Testing.
- ❑ Cold test for Corn/Maize- as per ISTA Rules for Seed Testing.
- ❑ Electrical conductivity test for Peas and Soybean as per ISTA Rules for Seed Testing.

List of Species include Agricultural crops, Horticultural crops, Flower seed crops, Medicinal crops, Forest tree seeds and fodder/grass seeds.

**Contact : Dr.G.V. JAGADISH**

**Email ID : jagadish@indamseeds.Com**

**Ph.No.: 080 28611499 Extn.: 226**





## DNA finger printing by PCR based markers



**INDO-AMERICAN HYBRID SEEDS**  
Has excellent Biotechnology laboratory recognized by the Department of Scientific and Industrial Research, Ministry of Science & Technology, Government of India. We offers customized service for genetic purity, varietal/parental lines purity and varietal identification for all vegetable and field crops with DNA based markers.

It is well known that conventional Grow Out Test (GOT) and field level testing varietal admixture & parental line purity in seed production is time consuming, laborious, environment sensitive and require more space. However the DNA based marker assisted testing is rapid & cost-effective. The markers are more accurate for hybridity than traditional markers, since markers are not influenced by environmental factors.



### Services offered at our Biotechnology Laboratory

#### Genetic purity

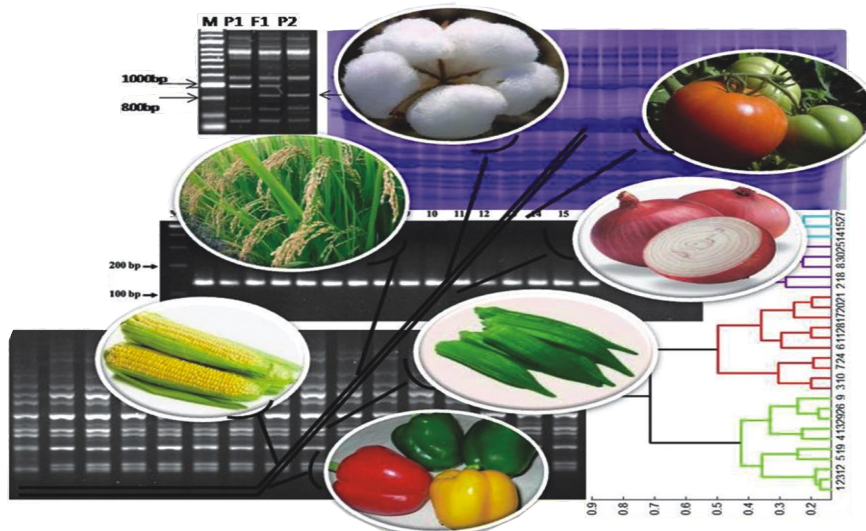
- Out crosses
- Selves
- Seed mixes
- Seed swap

#### Homogeneity test

- Parental lines
- Hybrids
- Varieties

#### Varietal identification

Contact Person :  
**Dr. Devaraj Achar**

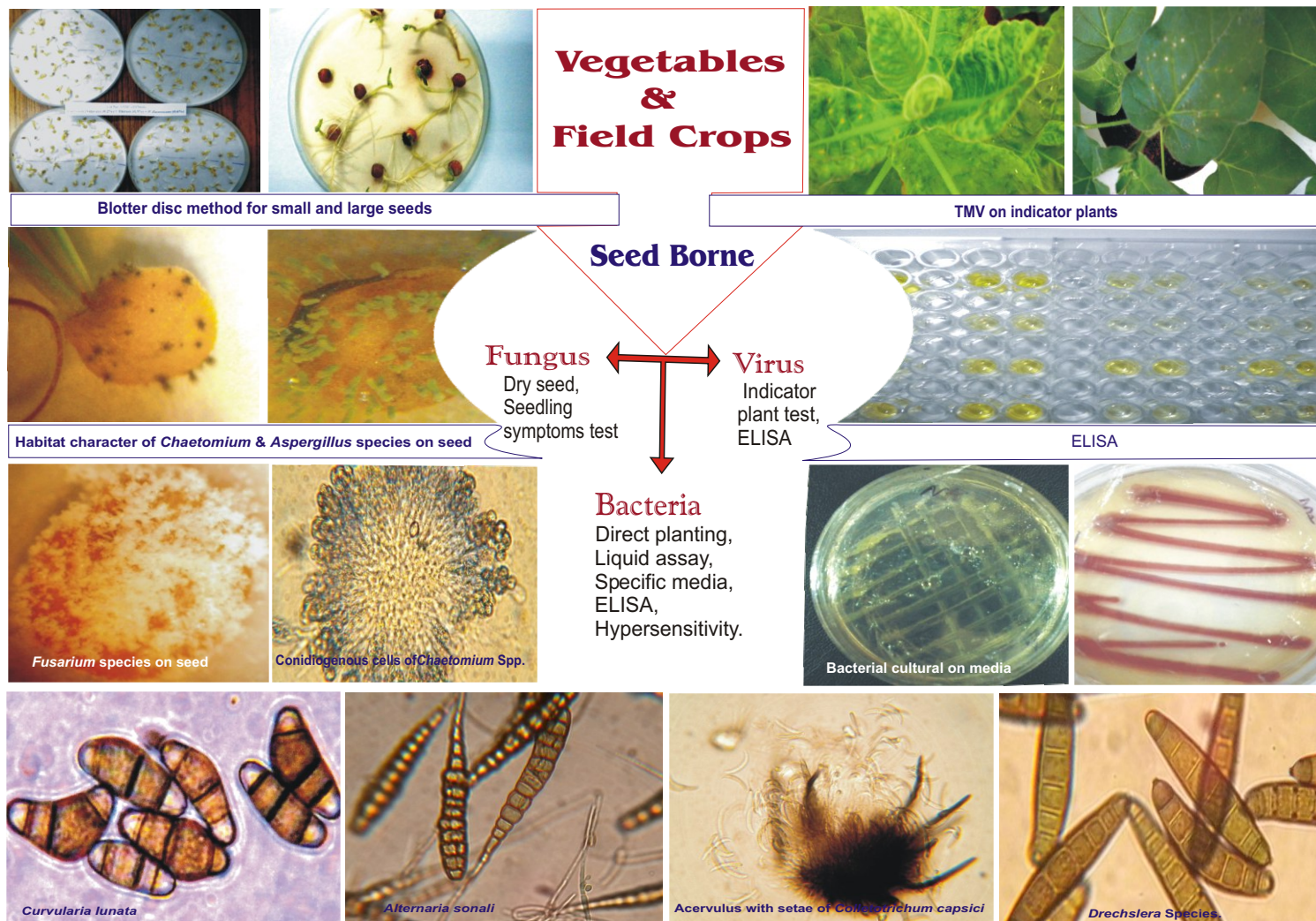


Email ID : [devaraja.achar@indamseeds.com](mailto:devaraja.achar@indamseeds.com)  
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# Seed Health Test

Seed-borne pathogens are major threat to crop production, seed marketing, and cross - border seed trade in India and abroad. Therefore seed health is an important component in seed production for increased crop productivity, good seed quality and enhanced food security. Phytosanitary issues and seed treatment are also important aspects in the production of healthy seed.



Indo-American Hybrid Seeds laboratory is well equipped and has skilled and qualified persons for the assistance.

We offer a service for Seed Health Testing for seed lots, methods based on the internationally accepted ISTA/ISHI for Vegetables and Field crops.

Contact Dr. B. Mahesh

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