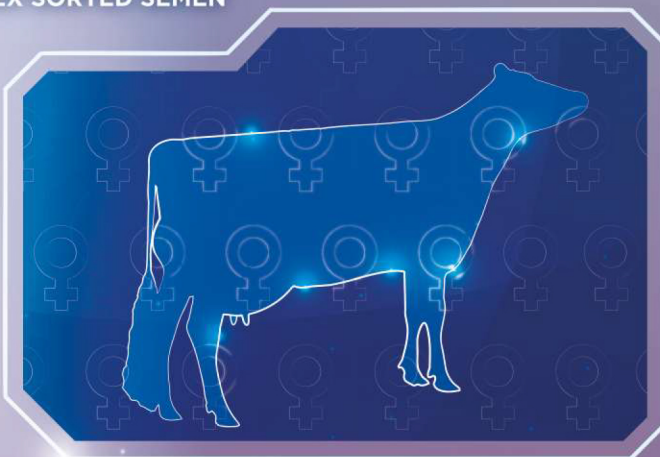


HIGH FERTILITY SEX SORTED SEMEN

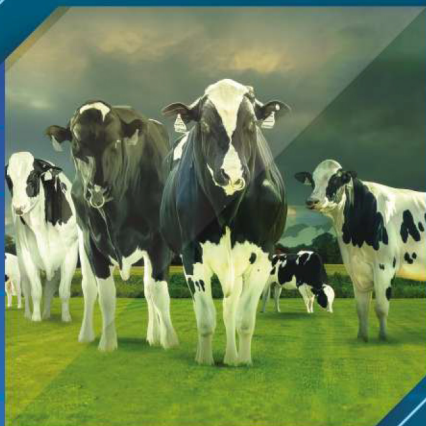


SUSTAINABILITY

IN EVERYTHING WE DO



STgenetics®
India



STgen[®] Inc.

Sexing Technologies (ST) headquartered at 22575 State Highway 6 South, Navasota, Texas 77868, USA is the pioneer in sperm sex sorting technology since 2004 and providing sperm sex sorting service to most of the major semen companies in the world including India.

STgenetics, a division of STgen Inc., is the leader in bovine genetics, genomic testing, chromosomal mating, reproduction technologies and services. STgenetics supply sex sorted & conventional semen and embryos of superior genetics from USA across the world.

STgenetics[®]
India

ST India, a subsidiary of STgen Inc. was established in 2017. Headquartered at Pune Maharashtra, ST India is providing sperm sex sorting services by establishing sex sorting laboratories in association with BAIF Pune Maharashtra, ULDB Rishikesh Uttarakhand, MPLPDC Bhopal Madhya Pradesh, TNLDA Ooty Tamil Nadu and two state of the art mobile sex sorting laboratories. ST India uses the most advanced Ultraplus[®] sperm sex sorting technology and produce high fertility sex sorted semen from all different breeds of cattle and buffaloes which has already proven to produce more than 93% female calves and conception rate over 45% across India.



Unique features of Ultraplus[®] Sperm Sex Sorting Technology

- **Removal of dead cells:** The technology is able to remove dead & dying sperms from the raw ejaculate and separate & remove the 'Y' chromosome bearing sperms (Male) during the process without killing
- **Gender choice:** Able to sort either female and/or male sperms simultaneously and/or separately
- **Higher gender purity:** Able to produce gender purity up to 96%. Average female purity of the sex sorted semen produced in India is 93%
- **High technical efficiency:** Able to produce at least 120-140% more sex sorted semen doses compared to conventional semen doses from the same ejaculate
- **High fertility and gender ratio of females born:** Proven to have over 45% conception rate and over 93% female calves born in India
- **Reverse sorting:** Able to reverse sort the semen already frozen (for IVF and ET)
- **Multiple species sorting:** Able to sort semen from multiple species such as sheep, goat, horse and pig in addition to all breeds of cattle and buffaloes
- **Exclusive and patented:** More than 1000 patents registered and over 400 patents pending approval including India

Benefits of using Ultraplus[®] Sex Sorted Semen

- **Increase the female calves to more than 90%**
 - a. Increase milk production from more females
 - b. Faster genetic progress by producing more females from bulls of superior genetics
 - c. More replacement heifers – grow from within
 - d. Reduce bio-security risks by avoiding purchase of animals from unknown sources
 - e. Calving Ease: Improve animal welfare and reduce economic losses by reducing chances of difficult birth due to more than 90% female calves born
- **Reduce the male calves to less than 10%**
 - a. Reduce the number of unproductive male calves
 - b. More feed available for productive females
 - c. Reduce the number of abandoned males & public nuisance, and improve animal welfare



Ultraplus™

HIGH FERTILITY SEX SORTED SEMEN

ADVANCED EQUIPMENT

NEW ADVANCED PROCEDURES

REMOVAL OF DEAD AND DYING SPERMS

STAIN OPTIMIZATION

OXIDATION REDUCTION

ADVANCED EXTENDERS AND MEDIA

CONSISTENT TEMPERATURE AND PH SYSTEMS

STRICT AND CONSISTENT QC PROCEDURES

1. Wet Lab - Morphology
2. Sample Preparation
3. Sorting - On Machine
4. Cooling & Concentration
5. Filling & Freezing
6. Post Thaw QC



📍 **Inguran Sorting Technologies LLP (ST India)**
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