

Unique features of Ultraplus® Sperm Sex Sorting Technology

1) High gender purity and accuracy

Ultraplus® sperm sex sorting technology is able to consistently produce sex sorted semen with 90% to 96% selected gender purity and the laboratory results has already been validated from the field results across the world

2) Desired gender selection

Ultraplus® sperm sorting technology is able to sort Female (X) and/or Male (Y) chromosome bearing sperms simultaneously or separately which allows selection of desired gender from the same ejaculate if required, without wasting the valuable genetics

3) Removal of dead and dying sperms

Technology is able to remove dead and dying sperms before sorting from the raw ejaculate using the patented Ultrasep® media and remove the unwanted sperms (X or Y) during the sorting process without killing, which eliminates the dead sperms and debris in the final product

4) High quality control (QC) standards

ST follows the highest QC standards for Ultraplus® sex sorted semen for its gender accuracy and other QC parameters such as post thaw progressive motility of minimum 50% at 0hrs, 30% at 3 hrs and Acrosome integrity of 50% at 3hrs post thaw as the standard requirement

5) Technical efficiency

The technology is able to produce 30-40% more number of sex-sorted semen doses compared to that of conventional semen dose that could be produced from the same ejaculate, which reduces the wastage of the valuable genetics

6) Proven and patented

The field results from millions of inseminations across the world including India has proven that the Conception Rate (CR) from Ultraplus® sex sorted semen is equal to or more than that of conventional semen under similar conditions from heifers and multiparous cows and buffaloes