

# SEXED SEMEN PROTOCOLS - 2021

Use of sexed semen can result in conception rates that are decreased compared to conventional semen used in the same situation.

## HEAT DETECTION

Sexed semen can be used on any female observed in estrus (heat) and synchronized with any heat detection protocols on the original Protocol Sheet for conventional semen. Use estrus detection aids (EDA) for detecting females. For best results perform AI 16 to 22 hours after detecting female in estrus.

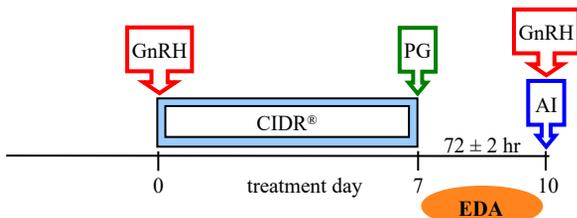
## FIXED-TIME AI

To optimize pregnancy success, it is recommended to use sexed semen on females that have exhibited estrus before FTAI and conventional semen on females that have not exhibited estrus.

### Heifers only

#### 7-day CO-Synch + CIDR®

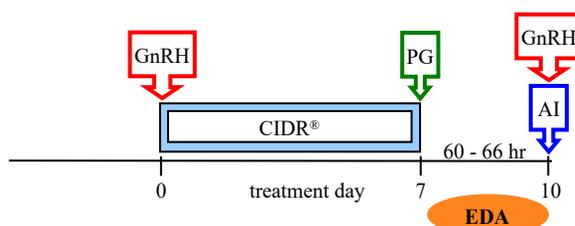
Perform TAI at 72 hr after PG with GnRH at TAI.



### Cows only

#### 7-day CO-Synch + CIDR®

Perform TAI at 60 to 66 hr after PG with GnRH at TAI.

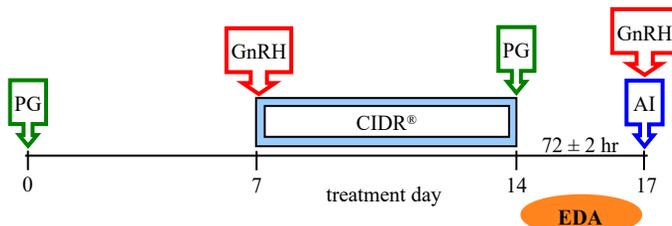


\* The time listed for “Fixed-time AI” should be considered as the approximate average time of insemination. This should be based on the number of females to inseminate, labor, and facilities.

### Heifers only

#### PG-7 7-day CO-Synch + CIDR®

Perform TAI 72 ± 2 hr after second PG with GnRH at TAI. Heifers in estrus receive sexed semen, heifers not in estrus by TAI receive conventional semen.

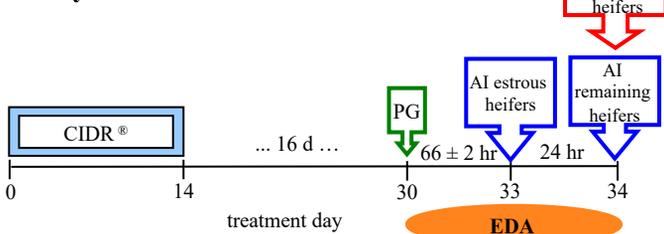


## Split-Time AI (STAI)

Perform first TAI 66 ± 2 hr after PG in estrous females. GnRH administered at second TAI only in non-estrous females. Females detected in estrus by first or second AI receive sexed semen. Females that do not come into estrus receive conventional semen at second AI.

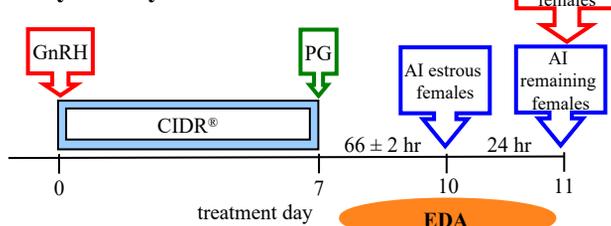
### Heifers only

#### 14-day CIDR®-PG & STAI



### Cows and/or Heifers

#### 7-day CO-Synch + CIDR® & STAI



These protocol sheets were assembled by the *Beef Reproduction Task Force; BeefRepro.org*. Programs are intended to promote sustainable food production systems by the beef industry through sound reproductive management practices for replacement heifers and postpartum cows. The Beef Reproduction Task Force recommends working with a licensed veterinarian for proper use and application of all reproductive hormones. **Approved 11-17-20.**

EDA

GnRH

PG

Aervoe™, AIPaint™, Detect-her™, Estrotec™, Kamar™, Mark-her™, Paintstik™, Quick Shot™, Tell Tail™, Twist-Stik™  
Cystorelin®, Factrel®, Fertagy®, OvaCyst®, GONABreed®  
estroPLAN®, Estrumate®, In-Synch®, Lutalyse®, Lutalyse® HighCon, ProstaMate®, SYNCHSURE™