

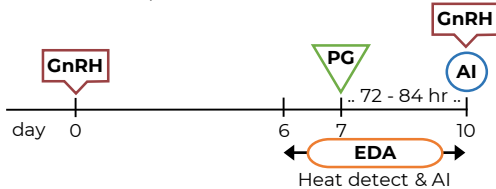
For additional synchronization protocols visit [BeefRepro.org](http://BeefRepro.org)

## HEAT DETECTION & TAI

For best results perform AI 12 ± 2 hr after detection of estrus.  
Use of estrus detection aids (EDA) is highly recommended.

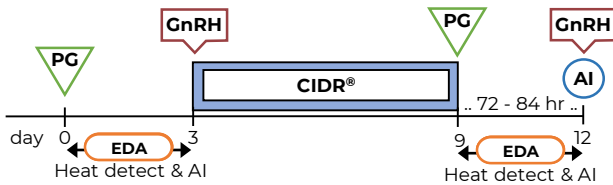
### Select Synch & TAI

Heat detect & AI days 6 to 10 and TAI with GnRH all non-responders 72 - 84 hr after PG.



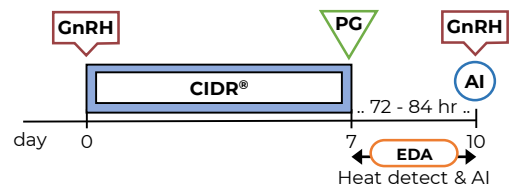
### PG 6-day CIDR® & TAI

Heat detect & AI days 0 to 3. Insert CIDR to non-responders, heat detect & AI days 9 to 12. TAI with GnRH non-responders 72 - 84 hr after CIDR removal. *Protocol may be used in heifers.*



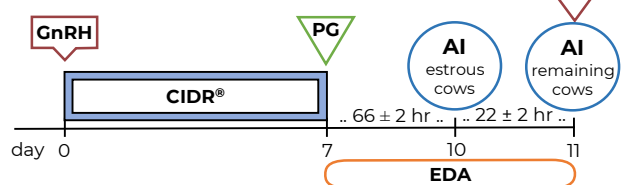
### Select Synch+CIDR® & TAI

Heat detect & AI days 7 to 10 and TAI with GnRH all non-responders 72 - 84 hr after PG.



### 7-day CO-Synch+CIDR® & Split-TAI

Perform first TAI 66 ± 2hr after PG in estrous cows. Second TAI with GnRH only in non-estrous cows.



## FIXED-TIME AI

Time for Fixed-time AI (TAI) should be considered as the approximate average time of insemination based on the number of females to inseminate, labor, and facilities.

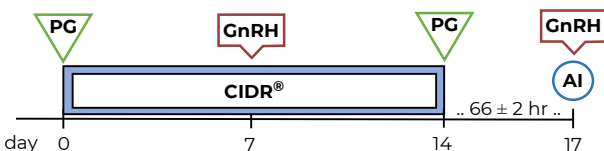
### 7-day CO-Synch+CIDR®

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



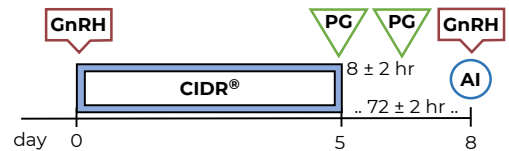
### 7&7 Synch

Perform TAI with GnRH at 66 ± 2 hr after CIDR removal.



### 5-day CO-Synch+CIDR®

Perform TAI with GnRH at 72 ± 2 hr after CIDR removal. Two injections of PG 8 ± 2 hr apart are required for this protocol.



### Bos indicus PG 5-day+CIDR®

Perform TAI with GnRH at 66 ± 2 hr after CIDR removal.



EDA

Aervoe™, AIPaint™, Detect-her™, Estroetect™, Kamar™, Mark-her™, Paintstik™, Quick Shot™, Tell Tail™, Twist-Stik™

GnRH

Cystorelin®, Factrel®, Fertagyl®, OvaCyst®, GONABreed®

PG

estroPLAN®, Estrumate®, Lutalyse®, Lutalyse® HighCon, ProstaMate®, SYNCHSURE™



SCAN

These protocol sheets were assembled by the **Beef Reproduction Task Force**. 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 11-17-2022.** [www.beefrepro.org](http://www.beefrepro.org)