

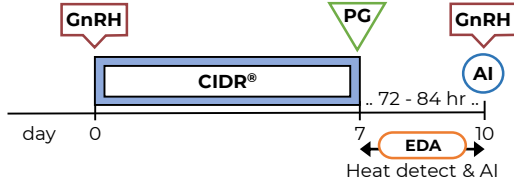
For additional synchronization protocols visit [BeefRepro.org](http://BeefRepro.org)

## HEAT DETECTION & TAI

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

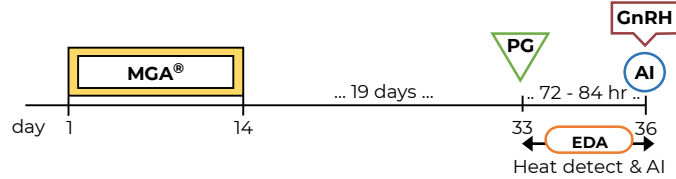
### Select Synch+CIDR® & TAI

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



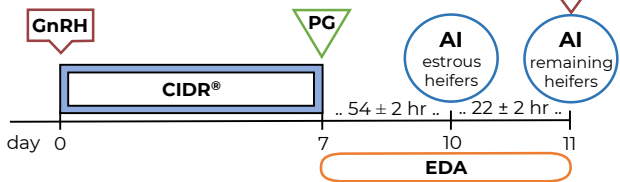
### MGA®-PG & TAI

Heat detect & AI days 33 to 36 and TAI with GnRH all non-responders 72 - 84 hr after PG.



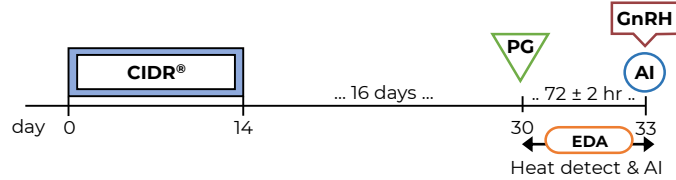
### 7-day CO-Synch+CIDR® & Split-TAI

Perform first TAI 54 ± 2 hr after PG in estrous heifers. Second TAI with GnRH only in non-estrous heifers.



### 14-day CIDR®-PG & TAI

Heat detect & AI days 30 to 33 and TAI with GnRH all non-responders 72 ± 2 hr after PG.



## 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.

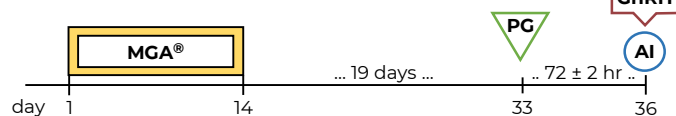
### 5-day CO-Synch+CIDR®

Perform TAI with GnRH at 60 ± 4 hr after CIDR removal. Two injections of PG 8 ± 2 hr apart are required for this protocol.



### MGA®-PG & TAI

Perform TAI with GnRH at 72 ± 2 hr after PG.



### 7-day CO-Synch+CIDR®

Perform TAI with GnRH at 54 ± 2 hr after PG.



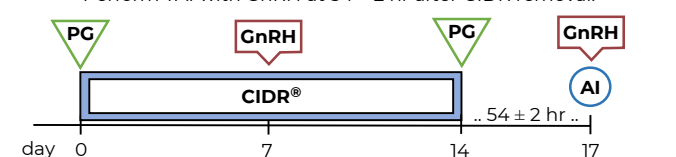
### 14-day CIDR®-PG & TAI

Perform TAI with GnRH at 66 ± 2 hr after PG.



### 7&7 Synch

Perform TAI with GnRH at 54 ± 2 hr after CIDR removal.



EDA

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

GnRH

Cystorelin®, Factrel®, Fertagy1®, OvaCyst®, GONABreed®

PG

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

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 9-5-2023.** [www.beefrepro.org](http://www.beefrepro.org)



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