HEAT DETECTION

Select Synch

Select Synch + CIDR®

PG 6-day CIDR®

Heat detect and AI days 0 to 3. Administer CIDR to non-responders and heat detect and AI days 9 to 12. Protocol may be used in heifers.

HEAT DETECT & TIME AI (TAI)*

Select Synch & TAI

Select Synch + CIDR® & TAI

PG 6-day CIDR® & TAI

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

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

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

Two injections of PG 8 ± 2 hr apart are required for this protocol.

*Bos Indicus cows only

5-day CO-Synch + CIDR®

Perform TAI at 72 ± 2 hr after CIDR removal with GnRH at TAI.

Bos Indicus PG 5-day + CIDR®

Perform TAI at 66 ± 2 hr after CIDR removal 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 cows to inseminate, labor, and facilities.

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 11-17-2020.
**HEAT DETECTION**

1 Shot PG

![Diagram of 1 Shot PG]

7-day CIDR®-PG

![Diagram of 7-day CIDR®-PG]

MGA®-PG

![Diagram of MGA®-PG]

**HEAT DETECT & TIME AI (TAI)**

Select Synch + CIDR® & TAI

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

![Diagram of Select Synch + CIDR® & TAI]

MGA®-PG & TAI

Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI.

![Diagram of MGA®-PG & TAI]

14-day CIDR®-PG & TAI

Heat detect and AI day 30 to 33 and TAI all non-responders 72 hrs after PG with GnRH at TAI.

![Diagram of 14-day CIDR®-PG & TAI]

**FIXED-TIME AI (TAI)**

Short-term Protocols

7-day CO-Synch + CIDR®

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

![Diagram of 7-day CO-Synch + CIDR®]

5-day CO-Synch + CIDR®

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

![Diagram of 5-day CO-Synch + CIDR®]

Long-term Protocols

14-day CIDR®-PG

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

![Diagram of 14-day CIDR®-PG]

MGA®-PG

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

![Diagram of MGA®-PG]

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

**Programs are intended to promote sustainable food production systems by the beef industry through sound reproductive management practices for use in 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 11-17-2020.**