**HEAT DETECTION**

**Select Synch**

- GnRH
- PG
- treatment day
- Heat detect & AI

**Select Synch + CIDR®**

- GnRH
- CIDR®
- treatment day
- Heat detect & AI

**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**

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

**PG 6-day CIDR® & TAI**

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

**FIXED-TIME AI (TAI)***

**7-day CO-Synch + CIDR®**

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

**5-day CO-Synch + CIDR®**

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

**FIXED-TIME AI (TAI)***

**for Bos Indicus cows only**

**PG 5-day CO-Synch + CIDR®**

- Perform TAI at 66 ± 2 hr after CIDR removal with GnRH at TAI.
  - Two injections of PG 8 ± 2 hr apart are required for this protocol.

*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.*
HEAT DETECTION

1 Shot PG

- Heat detect & AI
- Treatment day: 0, 5, 12

7-day CIDR®-PG

- Heat detect & AI
- Treatment day: 0, 7, 13

MGA®-PG

- Heat detect & AI
- Treatment day: 1, 14, 33, 39

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.

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.

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.

FIXED-TIME AI (TAI)*

Short-term Protocols

7-day CO-Synch + CIDR®

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

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.

Long-term Protocols

14-day CIDR®-PG

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

MGA®-PG

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

* 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.