**HEAT DETECTION**

**Select Synch**

![Diagram](image1)

**Select Synch + CIDR®**

![Diagram](image2)

**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.

![Diagram](image3)

**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.

![Diagram](image4)

**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](image5)

**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.

![Diagram](image6)

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

**7-day CO-Synch + CIDR®**

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

![Diagram](image7)

**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.

![Diagram](image8)

**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.

![Diagram](image9)

* 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
- PG
- Treatment day:
  - 0
  - 5
  - 12

7-day CIDR®-PG

- Heat detect & AI
- CIDR®
- Treatment day:
  - 0
  - 7
  - 13

MGA®-PG

- Heat detect & AI
- MGA
- 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 hr 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.

Approved 10-07-2014

*Cystorelin®, Factrel®, Fertagyl®, OvaCyst®
estroPLAN®, Estrumate®, In-Synch®, Lutalyse®, ProstaMate®*