

Genestran

FORTE
Healthcare Ltd

**When it comes to reproduction,
wouldn't it be helpful if everyone was
pulling in the same direction?**



Genestran contains only the active d-isomer of cloprostenol. So, unlike its competitors, when you use Genestran you're getting all the benefits of the most active PGF₂ α analogue with none of the antagonistic effect of its co-isomer.

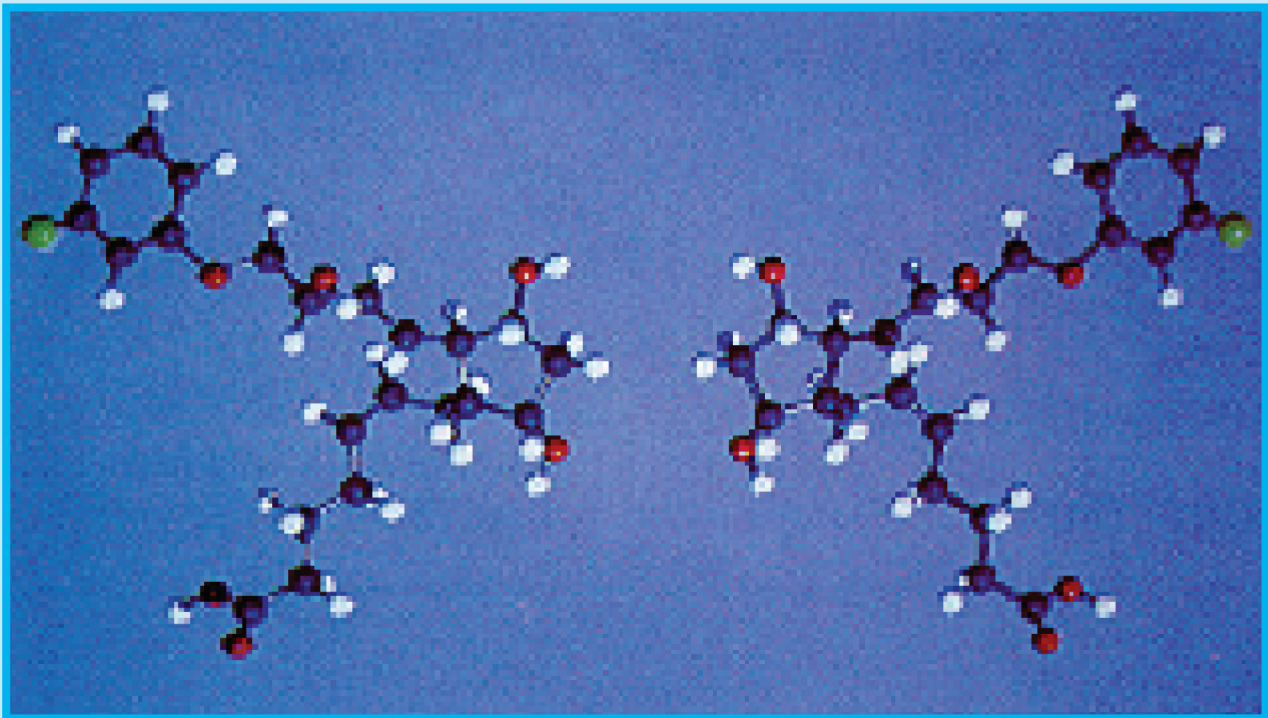


Cloprostenol

Cloprostenol is a synthetic prostaglandin analogue structurally related to Prostaglandin F₂ (PGF₂), for use in cattle, horses and pigs.

As a potent luteolytic agent it causes functional and morphological regression of the corpus luteum (luteolysis) in cattle, horses and pigs followed by return to oestrus and normal ovulation.

Cloprostenol (d,l-cloprostenol) is the most highly active PGF₂ analogue. Like many substances that exist as isomers, d-cloprostenol and l-cloprostenol have opposite effects. As a result, a larger amount of racemate (equal mixture of isomers) has to be given to have the same effect as a small amount of pure, active isomer.



Like hands, cloprostenol has two enantiomorphous forms: D-cloprostenol and L-cloprostenol

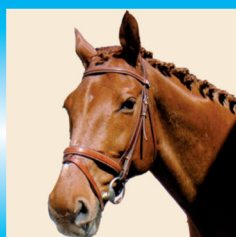
Genestran

Since Genestran contains only the biologically active component d-cloprostenol, low doses are sufficient to produce luteolytic and/or stimulatory effects on the myometrium.

In the case of (d,l) cloprostenol, 3.3 times more of the racemate versus d-cloprostenol (Genestran) must be given to have the same effect.

Treatment scheme

Indications	Dosage	Comment
Cattle - induction of luteolysis allowing resumption of oestrus and ovulation in cyclic females when used during dioestrus - synchronisation of oestrus (within 2 to 5 days) in groups of cyclic females treated simultaneously - treatment of suboestrus and uterine disorders related to a functioning or persistent corpus luteum (endometritis, pyometra) - treatment of ovarian luteal cysts - induction of abortion until day 150 of pregnancy - expulsion of mummified fetuses - induction of parturition (within the last two weeks of gestation).	2.0 ml intramuscularly (150 µg)	Induction of oestrus: two days following administration, close observation of the oestrus is advised. Synchronisation of oestrus: animals are to be treated twice within 11 days.
Horses - induction of luteolysis in mares with a functional corpus luteum.	0.3- 0.5 ml intramuscularly (22.5 - 37.5 µg)	Intended for single use.
Pigs - induction or synchronisation of farrowing (generally within 24 to 36 hours) from day 113 of pregnancy onwards (day 1 of pregnancy is the last day of natural or artificial insemination).	0.7- 1.0 ml intramuscularly (52.5 - 75 µg)	Intended for single use.



Genestran - the next generation of prostaglandin therapy

- contains cloprostenol, the most potent prostaglandin in the world
- has only the active, useful D-isomer of cloprostenol, giving you the results you want
- avoids giving the antagonistic L-isomer with luteotropic effect
- Due to greater potency requires 70% less active ingredient than the racemate, guaranteeing a ZERO WITHDRAWAL PERIOD

Genestran 75 micrograms/ml solution for injection for cattle, horses and pigs. Each ml contains 75mcg d-cloprostenol. Genestran contains the active substance d-cloprostenol, the biologically active component of the synthetic prostaglandin cloprostenol which acts similarly to the naturally occurring endogenous PGF2 α .

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For more information please read the instructions in the Pack Insert.

