

Alizin®

INFORMATION FOR VETERINARIANS

DESCRIPTION

Alizin® is a safe and effective drug treatment for mismating that induces abortion in dogs. It has a synthetic progesterone antagonist which blocks the signals that would otherwise allow successful ova implantation and subsequent maintenance of pregnancy. It does not affect future gestations or fertility.



KEY PROPERTIES AND BENEFITS

- Fast, simple termination of pregnancy.
- From 0-45 days after mating.
- Abortion is achieved, on average, 3–4 days after treatment but it may take up to 10 days.
- The use of Alizin® during the bitch's heat does not prevent subsequent fertile mating until oestrus ends.

MODE OF ACTION

Alizin® contains aglepristone:

- A synthetic progesterone antagonist.
- Works at the level of uterine progesterone receptors.

- Has a three times stronger relative binding affinity than endogenous progesterone.

Once fixed to these receptors, aglepristone blocks the signals that would otherwise allow successful ova implantation and subsequent maintenance of pregnancy.

Progesterone substitution by aglepristone

- In early pregnancy, Alizin® prevents implantation by inhibiting endometrial changes and modifying uterine secretions.
- In late pregnancy Alizin® prevents progesterone from maintaining gestation and induces a true termination with expulsion of the foetuses.

DOSAGE AND ADMINISTRATION

- 0.33 ml Alizin®/kg/day (10 mg aglepristone/kg/day).
- Give 2 consecutive doses **24 hours apart** by aseptic subcutaneous injection.
- DO NOT UNDERDOSE, DO NOT DELAY SECOND INJECTION.
- Doses greater than 5 ml should be divided and administered at separate sites.
- After administration lightly massage the injection site.

- Recheck the bitch 7–10 days after the second injection, (at least 21 days post-mating) to ensure abortion has occurred. In rare cases of failure, it is possible to repeat the treatment if still under 45 days.

EFFICACY

- 97.4 % - 100% efficacy in clinic trials¹ Day 0–22.
- 88.7% - 97.7% efficacy in clinical trials² Day 23–45.

POSSIBLE CLINICAL SIGNS AFTER USE

- 1. Early pregnancy termination: serous discharge.**
- 2. Mid-pregnancy termination:**
 - Foetal expulsion within 7 days of 1st injection.
 - Brownish vulval discharge for several days.
 - Slight depression, transitory anorexia, mammary gland congestion are sometimes observed.
- 3. Late pregnancy termination: signs of parturition and expulsion of foetuses.**

SAFE TO USE

- No increase in the prevalence of uterine infections.^{2,3}
- Return to oestrus after pregnancy termination may be shortened to 1.5–3 months.⁴
- Future gestations and fertility will be normal.^{5,6}

INFORMATION FOR DOG OWNERS

Alizin® is registered for use in dogs following mismating and is the safest and most effective drug treatment for abortion available to veterinarians.

Recommended dose regime

Two injections of Alizin® 24 hours apart. The interval between doses is very important.

Recheck

It is essential that your dog is rechecked by a veterinarian 7-10 days after treatment to ensure it has been effective.

Important

Alizin® is not a contraceptive. DO NOT allow the dog to mate again between or after treatments, or re-treatment will be necessary.

Symptoms following treatment

In early in pregnancy, a slight vulval discharge may be seen following treatment. Dogs treated later on in pregnancy may show a brownish vulval discharge or expel some material. Occasionally treated animals may appear slightly depressed, or go off their food for a short time (1-2 days) and mammary tissue may appear to be swollen.

Effects on future seasons or fertility

Bitches treated with Alizin® may come back into season more quickly than expected, as early as 45 days following treatment. Alizin® has no effect on the future fertility and has been shown to cause no increase in the incidence of uterine infections.

Success rates

- Early pregnancy (<21 days following mating): more than 99% effective.
- 21-45 days: about 95% effective.

Adverse reactions

Although very rare, unexpected signs can include an unusual or long lasting discharge, or general signs such as a protracted loss of appetite or vitality. These dogs should be checked by a vet.

PRESENTATION

10ml glass multi-dose vial.

STORAGE

Store below 25°C (room temperature) in a cool, dark place. Protect from light.

Discard any unused portion within 28 days of initial broaching.

ACVM NUMBER A7957.

**Alizin® is a Registered Veterinary Medicine.
Available only under Veterinary Authorisation.
Registered Pursuant to the ACVM Act 1997.**

1. Virbac data on file. 2. Fieni et al 2000 Mid-pregnancy termination in the bitches with an antiprogesterin: Aglepristone (RU534) Advances in dog, cat and exotic carnivore reproduction, Oslo June 2000. 3. Fieni, Tainturier, Bruyas et al A novel molecule to induce abortion in bitches: aglepristone. Clinical study of its effectiveness and innocuity-Rec. Med. Vet., 1996, 172 359-367. 4. Bowen (R.A.), Olson (P.N.), Behrendt (M.D.), Wheeler (S.L.), Husted (P.W.) and Nett (T.M.) Efficacy and toxicity of oestrogens commonly used to terminate canine pregnancy. J. Am. Vet. Med. Assoc., 1985, Vol. 186, 8: 783-788. 5. Fieni, Mattu, Evaluation of the reproductive function after termination of pregnancy in bitches using an antiprogesterin: aglepristone (Alizin®) Proceedings 1st EVSSAR European Congress, Barcelona, Spain, May 1-3 1998. 6. Fieni, Martal et al: Hormonal variation in bitches after early or mid-pregnancy termination with aglepristone, Journal of Reproduction and Fertility Supplement, 2001, 57, 243-248.

