



## Preparation of anti-heartworm *oral* liquid for dogs.

**Supplies needed**

- 1 vial of Ivermectine (trade name is Iver Mec).
- 1 bottle of Propylene Glycol.
- 1 clean 10 ml syringe.
- 1 clean 1 ml syringe (tuberculin or insulin graduations).
- 1 clean 30 ml (1 oz.) stoppered vial or small stoppered, or screw topped , bottle.
- Several 18 ga. needles.

### **Sources.**

**Ivermectine:** from feed stores. veterinary supply houses, catalogs e.g. Foster and Smith and Omaha vaccine. It comes in a 50 ml vial of 0.5% Ivermectine, which is an injectable wormer for horses. The diluted drug is used, by mouth, for dogs. Non-prescription.

**Propylene Glycol:** this is a drug diluent, with a consistency of honey. A pharmacy will special order it for you. It costs about \$10:00 a pint and needs no prescription.

**Syringes & needles.** From feed stores, hospital supply houses, or pharmacies. They are need no prescription.

### **Mixing. First Dilution.**

Mix 1 ml of Ivermectine with 9 ml of Propylene Glycol. This gives you a liquid with 1 mgm (milligram) per ml. Tip: inject 1 ml of air into Ivermectine vial for each ml. that you plan to withdraw. Store in a rubber capped vial or screw topped bottle (child proof if you have kids)

### **Second Dilution.**

Appropriate for puppies or little dogs. Take 1 ml of the first dilution and mix with 9 ml. of the Propylene Glycol. This gives a strength of 0.1 mgm, or 100 micrograms per ml. per ml. (There are 1000 mcgs in each milligram (mgm.)

### **Dosage: Anti-heartworm**

6 mcg. (micrograms) per 2.2lb. (1 Kilogram) of body weight. It's a really small dose. A 60 lb (27 Kgm) dog gets 0.2 ml (162 mcg) of the first dilution monthly.

A 5 lb. puppy gets 14 mcg. or 0.2 ml. of the second dilution, monthly.

### **Dosage: General Worming; N.B. it kills all worms, except tapeworms.**

**Adults:** 1 mgm., that is 0.10 ml of first dilution, per 11 lb. ( 5 Kgm.) of body weight. e.g. A 66lb adult gets 0.6 ml .

**Puppies or small dogs.** Same dose , but figure 0.1 mgm, that is 0.1 ml. of the second dilution, per lb. (2.2 Kgm) of body weight.

**Remember, this is only given by mouth.**