

US EPA ARCHIVE DOCUMENT

MRID 0009-1879

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DATA EVALUATION RECORD

TRICHLORFON

Evaluation of Trichlorfon Effects on Bitches and Nursing Pups

CITATION: Anonymous. 1961. Influence of Dyrex on pregnant bitches and nursing pups. Unpublished.

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DATA EVALUATION RECORD

STUDY TYPE: Evaluation of trichlorfon effects on bitches and nursing pups.

CITATION: Anonymous. 1961. Influence of Dyrex on pregnant bitches and nursing pups. Unpublished.

ACCESSION NUMBER: Not available.

MRID NUMBER: 00091879.

LABORATORY: Fort Dodge Laboratories [Laboratory information supplied on library computer printout only].

TEST MATERIAL: Trichlorfon. Trichlorfon is reported as Dyrex. No information on purity, source, or physical description was provided.

PROTOCOL:

1. Trichlorfon was evaluated. Trichlorfon is referred to in the report as Dyrex. Purity, source, and physical description of the Dyrex were not provided.
2. Four female dogs of an unspecified breed were used in the study. No further data on the dogs were provided.
3. One bitch received one treatment with 75 mg/kg Dyrex. A second bitch received two treatments with 75 mg/kg Dyrex. One treatment date of 23 May 1961 was provided for this animal. The two remaining bitches received one treatment of 100 mg/kg Dyrex. The route of exposure and day of gestation that the Dyrex was administered was not stated. A footnote to the data table stated that "2 treated twice weekly, continued 4 weeks while nursing (no influence on pups)." The meaning of that footnote is unclear to this reviewer.
4. The parameters examined were not stated. From the data table it appeared that the bitches were allowed to deliver and that the number of live and dead pups were counted. The pups were whelped three to seven days after treatment. [It is unclear if, when, or how the pups were treated.]
5. The use of statistics was not reported.

RESULTS:

A xerox copy of the entire report is attached as Table 1. No dead pups were born and the number of live pups ranged from two to five per bitch. No control data were provided.

CONCLUSIONS:

The lack of any control data prevents any conclusions from being obtained on the effects of Dyrex in this study. Furthermore it appears that the time of treatment was within a week of birth, i.e., after organogenesis.

CORE CLASSIFICATION: Invalid data.

The major deficiencies noted were as follows:

- o No control data were provided.
- o Time of treatment in the gestational period was inappropriate.
- o Insufficient numbers of pregnant bitches per treatment group.

M. Leigh RAVW 1/18/82

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14 (1)

TABLE 1. Xerox Reproduction of Submitted Dyrex Data.

Influence of Dyrex on Pregnant Bitches and Nursing Pups

Dog	Mg/Kg Dosage	Lot	No. Treatments	Date Treated	No. Normal Pups	No. Dead Pups	Aborted (days after treated)
1482	100	3	1	11-22-60	2	0	6
751	75	3	1	4-25-61	5	0	4
23	100	6	1	6-25-61	4	0	3
Britton	75	7	2	5-23-61	4	0	7

2 treated twice weekly, continued 4 weeks while nursing (no influence on pups).

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