

25 OCT 1983

File Note

Tel conversation with Mick Cavalli - Chemon 18.10 or 25-10-83

1 Chemon are undertaking an Experiment to see whether the emetic will act to protect dogs against potentially lethal dose of diaquat. This is on advice by Counsel. It would be their intention to measure blood levels in survivors.

2. Experience so far:

Fitted in belief that 100mg/kg PQ would be toxic (had dosed them with low Smith). However 100mg/kg does produce immediate emesis. Increasing dose to 300mg/kg produce same effect and, having dosed no more than 6 dogs, now at 3 weeks after dosing they have no mortalities. They have also tried doubling the dose but again emesis has occurred.

3 All Questions therefore relate to knowledge of and experience with 1) dogs 2) Diaquat 3) earlier work with Paraquat.

4. ^{Telox} [Question 1 (see telox) - reasons for complex] - ^{in PQ study} ~~Reply~~ ^{Answer} 1) to provide an adequate volume for emesis 2) humane - to stop or local irritant action with concentrated PQ. 3) Definitely not

would be inhibited normal emesis.

Q.2. If not given do PQ doses show emesis A. Not known but would expect some to show emesis as v. easy to produce in dogs

Q3 ~~Do~~ Does dilution affect PQ LD50 A. Do not have figure available.

Q4 Does ICI have comparative data DQ vs PQ & emesis in dog A Not to our knowledge - but possibly taking some time to look for old data - may be more information later this week (i.e. leaving room for document US to D.C.)

5. Dick C. would appreciate information & advice on how to proceed (eg stomach is not treated, Composition of Complan, etc how doses, volume etc)

Sara LL would contact him later. Have not discussed monkey data as do not know if he has seen (attached)

full reports. See Graham Chester notes [-DQ is more emetic (slower time to emesis) in the monkey than PQ]

SES.