

DAWSON RESEARCH CORPORATION

DRC 2764

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SUMMARY

Study Director: Charles Burns
Project Technician: W. P. Boissac

Date Started: April 1, 1981

Date Completed: April 13, 1981
JUNE 22, 1981

Material: Alca Vex Powder
Lot: Mpr-049-977

Material State Upon Receipt: Powder
Concentration: Extend 1:100, powder:water

Species: Albino rat

Strain: Sprague-Dawley

Source: Camm Research, Wayne, New Jersey

Date of Receipt: March 26, 1981

Usable Weight Range: 200 to 300 g.

Weight Range When Used: 205 to 291 g.

Animals/Treatment Group: 5 males, 5 females/test material

Condition: Fasted 18 hours prior to dosing

Housing: Housed individually and maintained in accordance with the
NIH Publication No. 78-23 (N.I.H.) entitled "Guide for the
Care and Use of Mammals in the Laboratory"

ACUTE ORAL TOXICITY STUDY

DRC 2764

Diet: Wayne Certified Lab-Rat (Allied Mills, Inc., Chicago, Ill.)
and fed *ad libitum*.

General: Healthy rats were selected using a random number table* and
each rat was uniquely identified by ear notch. The test
material was administered via gastric intubation using a
14-gauge feeding needle affixed to a graduated syringe.

Temperature Range: 37.0 - 38.5 °C

Dose Level: 5 gm/kg of the Alca Vex Powder Frequency: Single dose

Observations: 1/2, 2, 4, 8 hours and once daily thereafter for 14 days

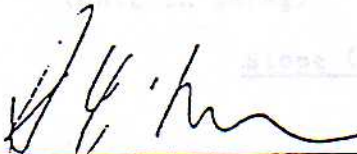
ESTIMATED LD50**

(Males 14 rats)

LD50 (95% C.L.)

LD50 (95% C.L.)

Males: 0/5
Females: 0/5
Combined: 0/10


T.E. Murthison, D.V.M., M.Sc., Ph.D.
President and Scientific Director

(*) J.A. Milliken, Random Digits with 100,000 Normal Deviates, The Rand Corp.,
The Free Press, N.Y., 1955

** Litchfield, J.T. and F. Wilcoxon, J. Pharmacol. & Exptl. Therap.,
44: 99-113 (1949)

Dawson Research Corporation
Acute Oral Toxicity Study

DRC 2765

SUMMARY

Study Director: Charles Burns
Project Technician: P. Noiseau

Date Started: April 1, 1981

Date Completed: April 15, 1981

Material: Aloe Vera Powder
Lot #Dr-049-001

Material State Upon Receipt: Powder
Concentration: Extend 1:199, powder:water

Species: Albino Rat

Strain: Sprague-Dawley

Source: Camm Research, Wayne, New Jersey

Date of Receipt: March 24, 1981

Acceptable Weight Range: 200 to 300 g.

Weight Range When Used: 206 to 291 g.

Animals/Treatment Group: 5 males, 5 females/test material

Condition: Fasted 18 hours prior to dosing

Housing: Housed individually and maintained in accordance with the DHEW Publication No. 78-23 (N.I.H.) entitled "Guide for the Care and Use of Laboratory Animals".

Diet: Wayne Certified Lab-Blox 8729-00 (Allied Mills, Inc., Chicago, Ill.) and tap water, ad libitum.

General: Healthy rats were selected using a random number table* and each rat was uniquely identified by ear notch. The test material was administered via gastric intubation using a 14-gauge dosing needle affixed to a graduated syringe.

Temperature Range: 72° - 78° F

Dose Level: 5 gm/kg of the liquid Frequency: Single dose

Observations: 1/2, 2, 4, 6 hours and once daily thereafter for 14 days

ESTIMATED LD50**

(Unit in gm/kg)

	<u>LD50 (95% C.L.)</u>	<u>Slope (95% C.L.)</u>
Males:	>5	-
Females:	>5	-
Combined:	>5	-

(*) A Million Random Digits with 100,000 Normal Deviates, The Rand Corp., The Free Press, N.Y., 1955

** Litchfield, J.T. and F. Wilcoxon, J. Pharmacol. & Exptl. Therap.: 96: 99-113 (1949)

Table II

Dawson Research Corporation
Acute Oral Toxicity Study
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INCIDENCE OF Necropsy OBSERVATIONS*

GROUP: DR #049-001

ORGAN/Observation	Male	Female	TOTAL
N =	5	5	10
NO GROSS LESION	0	+(2)	2/10
LUNGS Congestion	vsl(1)	few(1)	2/10
White areas	few(1)	0	1/10
SKULL Dark red areas	+(1)	0	1/10
Hemorrhage	vsl(1)		
BRAIN on dorsal surface	sl(2)	0	3/10
Petechial	very		
GLANDULAR STOMACH Hemorrhages	few(1)	0	1/10
	vsl(1)		
PITUITARY Congestion	sl(1)	sl(2)	4/10
LIVER Congestion	vsl(1)	vsl(1)	2/10
JEJUNUM Distention	0	sl(1)	1/10
ILEUM Distention	0	sl(1)	1/10
UTERUS Hydrometra	N/A	vsl(1)	1/5

* The degree is followed by the number (in parentheses) of incidences observed

- KEY:
- vsl = very slight
 - sl = slight
 - mod = moderate
 - mk = marked
 - + = present

Animals Received to Test Facility - 3-24-81

Proposed Completion

Terminal Sacrifice - 4-15-81

