

Study Number: C20302B-02
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Mouse/CD-1

PA04: Neoplasms By Individual Animal
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Final

Date Report Requested: 09/11/2025
Time Report Requested: 13:25:29
Lab: Battelle with EPL

Study Number:

C20302B-02

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.7.2

Male: Fertility Males																													
CD-1 Mouse Male 0 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	*TOTAL	
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	ANIMAL ID	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
		4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6			
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5			
ALIMENTARY SYSTEM																													
NONE																													
CARDIOVASCULAR SYSTEM																													
NONE																													
ENDOCRINE SYSTEM																													
NONE																													
GENERAL BODY SYSTEM																													
NONE																													
HEMATOPOIETIC SYSTEM																													
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HEPATOBILIARY SYSTEM																													
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IMMUNE SYSTEM																													
NONE																													
INTEGUMENTARY SYSTEM																													
SKIN																											+	1	
MUSCULOSKELETAL SYSTEM																													
NONE																													
NERVOUS SYSTEM																													
NONE																													

Male: Fertility Males																											
CD-1 Mouse Male 0 ppm	DAY ON TEST	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 7	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 8	S D 1 0 9	S D 1 0 9	S D 1 0 9	S D 1 0 9	S D 1 0 9	*TOTAL	
		0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3			
		0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3			
		0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4		
		0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4		
REPRODUCTIVE SYSTEM																											
EPIDIDYMIS																											
TESTIS																											
RESPIRATORY SYSTEM																											
NONE																											
SPECIAL SENSES SYSTEM																											
NONE																											
URINARY SYSTEM																											
URINARY BLADDER																											

Male: Fertility Males																												
CD-1 Mouse Male 100 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	*TOTAL	
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9			
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
		6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9		
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
ALIMENTARY SYSTEM																												
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Male: Fertility Males																												
CD-1 Mouse Male 100 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	*TOTAL	
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	ANIMAL ID	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9		
0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
6		6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9			
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REPRODUCTIVE SYSTEM																												
EPIDIDYMIS																												25
TESTIS																												25
RESPIRATORY SYSTEM																												
NONE																												
SPECIAL SENSES SYSTEM																												
NONE																												
URINARY SYSTEM																												
URINARY BLADDER																												10

Male: Fertility Males																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Male: Fertility Males																												
CD-1 Mouse Male 200 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4		4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
		9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	*TOTAL	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
REPRODUCTIVE SYSTEM																												
EPIDIDYMIS																												25
TESTIS																												25
RESPIRATORY SYSTEM																												
NONE																												
SPECIAL SENSES SYSTEM																												
NONE																												
URINARY SYSTEM																												
URINARY BLADDER																												10

Male: Fertility Males																												
CD-1 Mouse Male 400 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
		1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4		
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	3	4	5	6	7	8	9	0	*TOTAL
ALIMENTARY SYSTEM																												
NONE																												
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Male: Fertility Males																											
CD-1 Mouse Male 400 ppm	DAY ON TEST	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	*TOTAL
		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9		
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
REPRODUCTIVE SYSTEM																											
EPIDIDYMIS		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
TESTIS		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
RESPIRATORY SYSTEM																											
NONE																											
SPECIAL SENSES SYSTEM																											
NONE																											
URINARY SYSTEM																											
URINARY BLADDER												+	+	+	+	+	+	+	+	+							10

Study Number: C20302B-02

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Mouse/CD-1

PA04: Neoplasms By Individual Animal

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Final

Date Report Requested: 09/11/2025

Time Report Requested: 13:25:29

Lab: Battelle with EPL

LEGEND

*TOTAL = Total animals with tissue examined microscopically: Total animals with a tumor.

+ = Tissue examined microscopically

X = Lesion present

A = Autolysis precludes evaluation

I = Insufficient tissue

M = Missing slides

N = No section present

P = Artifact precludes examination

R = Not examined read-down

BLANK = Not examined microscopically

**** END OF REPORT ****