

**Experiment Number:** 20523 - 03  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/Wistar Han

**E05: CLINICAL OBSERVATIONS SUMMARY**

Metal working fluids (Trim VX)

**CAS Number:** TRIMVX

**Date Report Requested:** 10/29/2014

**Time Report Requested:** 10:12:03

**First Dose M/F:** 07/20/09 / 07/20/09

**Lab:** BNW

**NTP Study Number:** C20523  
**Lock Date:** 06/04/2012  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.2\_002  
**PWG Approval Date:** NONE

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## E05: CLINICAL OBSERVATIONS SUMMARY

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Date Report Requested: 10/29/2014

Time Report Requested: 10:12:03

First Dose M/F: 07/20/09 / 07/20/09

Lab: BNW

OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
Abnormal Breathing	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 590	0 / 0	1 / 50 DAY 534
Diarrhea	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 674	0 / 0	0/50
Eye Abnormality	0 / 0	1 / 50 DAY 618	0 / 0	0/50	0 / 0	1 / 50 DAY 562	0 / 0	0/50
Head Tilt	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 450	0 / 0	0/50
Impaired Gait	0 / 0	0/50	0 / 0	0/50	0 / 0	2 / 50 DAY 646	0 / 0	0/50
Lethargic	0 / 0	2 / 50 DAY 506	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 367
Mass Head	0 / 0	0/50	0 / 0	3 / 50 DAY 478	0 / 0	1 / 50 DAY 534	0 / 0	0/50
Mass Torso/Dorsal	0 / 0	5 / 50 DAY 478	0 / 0	2 / 50 DAY 338	0 / 0	2 / 50 DAY 422	0 / 0	3 / 50 DAY 478

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

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Lab: BNW

SEX: MALE		WEEK: 105							
OBSERVATION	Control		10 mg/m3		30 mg/m3		100 mg/m3		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
<b>Mass</b> Torso/Lateral	0 / 0	3 / 50 DAY 254	0 / 0	1 / 50 DAY 226	0 / 0	0/50	0 / 0	2 / 50 DAY 422	
<b>Mass</b> Torso/Ventral	0 / 0	2 / 50 DAY 646	0 / 0	3 / 50 DAY 254	0 / 0	1 / 50 DAY 618	0 / 0	4 / 50 DAY 422	
<b>Nasal/Eye Discharge</b>	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 367	
<b>Thin</b>	0 / 0	10 / 50 DAY 506	0 / 0	5 / 50 DAY 590	0 / 0	7 / 50 DAY 562	0 / 0	5 / 50 DAY 450	
<b>Ulcer/Abscess</b> Appendage	0 / 0	10 / 50 DAY 534	0 / 0	8 / 50 DAY 562	0 / 0	7 / 50 DAY 618	0 / 0	7 / 50 DAY 478	
<b>Ulcer/Abscess</b> Torso/Dorsal	0 / 0	0/50	0 / 0	1 / 50 DAY 310	0 / 0	0/50	0 / 0	2 / 50 DAY 142	
<b>Ulcer/Abscess</b> Torso/Lateral	0 / 0	1 / 50 DAY 170	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	

\*\*\*END OF MALE DATA\*\*\*

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ROW 2 = DAY OF ONSET

Experiment Number: 20523 - 03

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Lab: BNW

OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
Abnormal Breathing	0 / 0	0/50	0 / 0	0/50	0 / 0	3 / 50 DAY 590	0 / 0	1 / 50 DAY 703
Eye Abnormality	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 674
Head Tilt	0 / 0	1 / 50 DAY 618	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 646
Impaired Gait	0 / 0	0/50	0 / 0	0/50	0 / 0	2 / 50 DAY 590	0 / 0	0/50
Lethargic	0 / 0	4 / 50 DAY 506	0 / 0	1 / 50 DAY 590	0 / 0	2 / 50 DAY 646	0 / 0	0/50
Mass Appendage	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 367
Mass Head	0 / 0	0/50	0 / 0	1 / 50 DAY 646	0 / 0	1 / 50 DAY 506	0 / 0	2 / 50 DAY 674
Mass Torso/Lateral	0 / 0	5 / 50 DAY 478	0 / 0	4 / 50 DAY 562	0 / 0	5 / 50 DAY 562	0 / 0	3 / 50 DAY 506

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OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
<b>Mass</b> Torso/Ventral	0 / 0	4 / 50 DAY 367	0 / 0	7 / 50 DAY 254	0 / 0	3 / 50 DAY 590	0 / 0	6 / 50 DAY 590
<b>Nasal/Eye Discharge</b>	0 / 0	3 / 50 DAY 534	0 / 0	0 / 50	0 / 0	1 / 50 DAY 674	0 / 0	0 / 50
<b>Ruffled Fur</b>	0 / 0	0 / 50	0 / 0	1 / 50 DAY 338	0 / 0	0 / 50	0 / 0	0 / 50
<b>Thin</b>	0 / 0	11 / 50 DAY 506	0 / 0	12 / 50 DAY 338	0 / 0	14 / 50 DAY 478	0 / 0	14 / 50 DAY 422
<b>Tonic Seizures</b>	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 674	0 / 0	0 / 50
<b>Ulcer/Abscess</b> Appendage	0 / 0	2 / 50 DAY 618	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 618
<b>Ulcer/Abscess</b> Head	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 367
<b>Ulcer/Abscess</b> Torso/Dorsal	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 703	0 / 0	0 / 50

\*\*\*END OF REPORT\*\*\*

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 ROW 2 = DAY OF ONSET