

APPROXIMATE COSTS FOR TWO-YEAR INHALATION TOXICITY STUDIES
ON TiO₂ AND TiCl₄

(18 Month Exposure - 6 Month Holding Period)

Animals

Initial Cost	1700 rats x \$2.10/rat	\$ 3,570	
Maintenance	1680 rats x 0.08/day x 730 days (Total excludes rats sacrificed during study.)	87,360	\$ 90,930

Analytical Development and Continuance

1 Toxicologist/Study			
Continuance - 2 Toxicologist 3 hrs/wk x 78 wks x \$40/hr	\$18,720		
Development - 240 hrs x \$40/hr x 2 Toxicologist	19,200		37,920

Non-Technical

3 Lab Asst. 3 x 8 hrs/day x 376 days x \$10/hr			90,240
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Technical

1 Technican/study 2 x 8 hrs/day x 376 days x \$10/hr			60,160
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Supervision

Research Toxicologist - 5 hrs/wk x 78 wks x \$60/hr x 2 studies	\$46,800		
Section Chief - 2 hrs/wk x 78 wks x \$60/ hr x 2 studies	18,720		65,520

Statistics

\$5,000/study x 2 studies			10,000
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Biochemistry

\$14,000/study x 2 studies			28,000
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Pathology

840 rats/study x 2 studies x \$150/rat	\$252,000		
720 TiO ₂ rats x \$20/rat (special stains)	14,400		266,400

Miscellaneous

Disposable clothing, and Reports			18,000
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TOTAL FOR AN 18-MONTH EXPOSURE AND 6-MONTH HOLD

\$667,170

ADDENDUM

Cost Estimate for Additional 6 Months Exposure
(Not included in MR proposal cost)

Toxicologist

Continuance - 2 x 3 hrs/wk x 26 wks x \$40/hr \$ 6,240

Technician

Continuance - 2 x 8 hrs/day x 126 days x \$10/hr 20,160

Lab Assistants

3 x 8 hrs/day x 126 days x \$10/hr 30,240

Supervision

Research Toxicologist - 5 hrs/wk x 26 wks x \$60/hr
x 2 studies \$15,600

Section Chief - 2 hrs/wk x 26 wks x \$60/hr x 2 studies 6,240 21,840

SUBTOTAL \$ 78,480

TOTAL FOR A 24-MONTH STUDY \$745,650

*This protocol is not the final one. Many items were explained only in general terms and will be detailed at a later date (pending completion of four-week preliminary studies, etc.) A final protocol will be issued at that time.