

Technical White Paper: Measuring how much 4Life Transfer Factor® Chewable Tri-Factor® Formula is safe for consumption

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Objective

To determine whether a single high oral dose of 4Life Transfer Factor® Chewable Tri-Factor® Formula is toxic

Background

Oral acute toxicity described in international guidelines is a recommended test for any product entering the market. This study evaluates the possible toxicity of products that might be ingested orally at doses higher than recommended on the label.

Data is collected from laboratory animals to assess a product's toxicity before it is exposed to humans.

Experimental Methods

Female Wistar rats received a single oral dose of 2,000 mg/kg body weight of 4Life Transfer Factor Chewable Tri-Factor Formula. Animals were observed for 14 days.

Results

4Life Transfer Factor Chewable Tri-Factor produced no observable toxicity as assessed by body weight, mortality, histopathology of brain, liver, kidneys, lungs, and clinical signs (aggression, lethargy, breathing difficulties, diarrhea, mobility, or shivering).

Conclusion

Authors concluded that 4Life Transfer Factor Chewable Tri-Factor Formula may be considered not toxic for humans. Data suggest 2,000 mg/kg rat body weight is non-toxic. According to dose translation from animals to humans, this dose is equivalent to 22,700 mg per person at 70-kg body weight. This is equivalent to a single intake of 37 servings of 4Life Transfer Factor Chewable Tri-Factor Formula.