

## Material Safety Data Sheet

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# VitroGro<sup>®</sup>

Tissue Therapies Limited

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### 1. Product Information

Product Name: VitroGro<sup>®</sup> kit – cell culture coating kit and/or medium additive.

Stock Number: VGK01

Manufacturer: Tissue Therapies Ltd  
GPO Box 1596,  
Brisbane, Queensland, 4001, Australia

Product Use: This product is for laboratory research use or further evaluation and is not intended for animal or human diagnostic, therapeutic, or other clinical use, unless otherwise indicated.

### 2. Composition, Information on Ingredients

Reagent A: Vitronectin in PBS containing 175 mM Ammonium Sulfate.  
Reagent B: Insulin-like Growth Factor Binding Protein-3 (IGFBP-3) in 10 mM Acetic acid.  
Reagent C: Insulin-like Growth Factor-1 (IGF-1) in 10 mM Hydrochloric acid.  
Reagent D: Epidermal Growth Factor (EGF) in 10 mM Hydrochloric acid.

Human Vitronectin is purified from human plasma that has been tested by the American Red Cross and found to be non-reactive for HIV-1 and Human T-cell leukaemia virus type-1 (HTLV-1) antibody and antigen, Hepatitis B surface antigen (HBsAg) and antibodies to Hepatitis C.

*Caution: These results are subject to the limitations of the virus detection assays. No known test methods offer complete assurance that products derived from human tissue will not transmit infectious agents. Observe universal precautions when working with this product.*

IGFBP-3, IGF-1 and EGF are recombinant human proteins produced in E.coli.

### 3. Hazards Identification

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#### EMERGENCY OVERVIEW

Occupational exposure presents little or no health hazard. Human Vitronectin is purified from screened human blood donors indicating due care should be taken to prevent direct human contact.

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Potential Health Effects:

Eye: May cause eye irritation.  
Skin: May cause skin irritation.  
Inhalation: No toxicity expected from inhalation.  
Ingestion: May cause irritation to mouth, throat and stomach.  
Cancer: No data on cancer exists.

## VitroGro Material Safety Data Sheet Continued.....

### 4. First Aid Measures

Eye: Flush with water for at least 15 minutes. Remove contact lenses.  
Skin: Wash with soapy water. Remove contaminated clothes and wash.  
Ingestion: Give plenty of water. Be prepared to induce vomiting upon Physicians advice.  
Inhalation: If symptomatic remove person to fresh air.

Seek medical attention if symptoms develop (redness, itching, discomfort etc.).

### 5. Fire Fighting Measures

Flash-point: Not available  
Auto-ignition temperature: Not available  
Extinguishing Media: Use appropriate means for surrounding area  
Hazardous combustion products: None known to exist

### 6. Accidental Release Measures

Absorb spills using common absorbent material and deposit in appropriate containers for disposal.

### 7. Handling and Storage

Keep closed or covered when not in use. Observe aseptic technique when open or in use.

Store at -70°C.

### 8. Exposure Controls, Personal Protection

Exposure limits: No hazardous components under normal operating conditions  
Eye: Safety glasses,  
Skin: Gloves, as minimum hand protection, and laboratory coat,  
Respiratory: No respiratory protection required under normal usage and operating conditions,

### 9. Physical and Chemical Properties

Appearance: Clear to mildly turbid liquid,  
Odour: No odour,  
Volatiles: Not established, none expected.

### 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage,  
Hazardous products: No hazardous decomposition products known or expected,  
Hazardous polymerisation: Not expected to occur.

**VitroGro Material Safety Data Sheet Continued.....**

**11. Toxicological Information**

Not determined. No data for carcinogenicity or organ studies or acute toxicity.

**12. Ecological Information**

No eco-toxicological information available. Bio-concentration is not expected to occur for disposal or storage.

**13. Disposal Considerations**

Dispose of in accordance with relevant regulations and institutional policy.

**14. Transport Information**

Proper Shipping Name: Not regulated  
Conditions: Transport in dry ice

**15. Regulatory Information**

This product is for laboratory research use or further evaluation and is not intended for animal or human diagnostic, therapeutic, or other clinical use, unless otherwise indicated. It should be handled by technically qualified individuals.

No hazardous components are identified.

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