

Product Number M001  
Revision Number RN2.0

REVISION: 22/12/2021

## 1. Product and Company Identification

Product Name MTG-ANiTA-KIT (Ammonium-NicotinamidADPH-GLDH-Transglutaminase Assay)  
Application Detection of microbial transglutaminase activity  
Unit Size Kit  
Manufacturer/Supplier Zedira GmbH Tel. +49(0)6151-66628-0  
Rösslerstr. 83 Fax. +49(0)6151-66628-19  
64293 Darmstadt  
Germany  
Emergency Information Tel. +49(0)6151-66628-0

## 2. Composition / Information on Components

Chemical characterisation: Preparation  
Hazardous ingredients: Preparations are considered non-toxic  
BD-Buffer contains  $\text{NaH}_2\text{PO}_4$  and  $\text{Na}_2\text{HPO}_4$ ,  
Glutamatdehydrogenase, ADP,  $\alpha$ -Ketoglutarate, NADPH,  $\beta$ -Casein  
MTG-Blocker dissolved in DMSO (99%)

## 3. Hazards Identification

Emergency Overview To our knowledge, the hazards of this material have not been thoroughly investigated. We are not aware of any toxicity data for this product. We recommend handling all chemicals with caution.

## 4. First Aid Measures

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed wash mouth with water and seek medical advice.

## 5. Fire Fighting Measures

Use dry chemical powder or appropriate foam extinguisher

## 6. Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

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## 7. Handling and Storage

Store at 4 – 8°C  
Delivery is possible at ambient temperature

## 8. Exposure Controls / Personal Protection

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices  
ACGIH/OSHA Permissible Exposure Limit Data: No data available

## 9. Physical and Chemical Properties

|                |                                   |        |
|----------------|-----------------------------------|--------|
| Form           | BD-Buffer                         | liquid |
|                | Glutamatdehydrogenase             | solid  |
|                | ADP                               | solid  |
|                | $\alpha$ -Ketoglutarate           | solid  |
|                | NADPH                             | solid  |
|                | $\beta$ -Casein                   | solid  |
|                | MTG-Blocker                       | liquid |
| Odor           | Odourless                         |        |
| Solubility     | Fully miscible in aqueous buffers |        |
| Colour         |                                   | white  |
| pH             |                                   | pH 7.5 |
| Boiling Point  | No data available                 |        |
| Melting Point  | No data available                 |        |
| Flash Point    | No data available                 |        |
| Vapor Pressure | No data available                 |        |

## 10. Stability and Reactivity

Thermal decomposition: No decomposition if used according to specifications  
Dangerous reaction: No dangerous reactions known  
Dangerous decomposition products: No dangerous decomposition products known

## 11. Toxicological Information

Route of entry: Skin Contact, Eye contact, Inhalation, Ingestion  
Effects of acute exposure to Product: Acute poisoning may cause gastrointestinal irritation and renal failure.  
May be fatal if inhaled, swallowed or absorbed through the skin.  
Effects of chronic exposure to Product: Chronic ingestion may result in salicylism which is characterized by nausea, vomiting, gastrointestinal ulcers, and hemorrhagic strokes.

## 12. Ecological Information

General Notes: hazardous for water  
Do not allow product to reach ground water, water course or sewage system

## 13. Disposal Considerations

Consult local, state or national regulations for proper disposal

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## 14. Transport Information

|                                       |                   |
|---------------------------------------|-------------------|
| Hazard Class                          | No data available |
| Identification Number                 | No data available |
| Packing Group                         | No data available |
| Proper Shipping Name (Technical Name) | No data available |

## 15. Regulations

|  |                   |
|--|-------------------|
| US Toxic Substances Control Act (TSCA) | No data available |
| US Other                               | No data available |
| EEC EINICS Number                      | No data available |
| EEC Risk Statements                    | No data available |
| Other Country Regulations              | No data available |

Labelling according to European labelling guidelines:  
Observe the general safety regulations when handling chemicals.

## 16. Other Information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Zedira GmbH shall not be held liable for any damage resulting from handling or contact with the above product.