

# Material Safety Data Sheet

## 1. Identification of Substance

- 1.1. Product Name:  
LONG<sup>®</sup>R<sup>3</sup>IGF-I ELISA kit.
- 1.2. Manufacturer / Supplier  
IDS Ltd.  
Boldon Business Park  
Boldon  
Tyne and Wear NE35 9PD  
United Kingdom  
Tel. +44 (0)191 519 0660  
Fax. +44 (0)191 519 0760

## 2. Composition / Information on Ingredients

- 2.1. **Calibrator (AC-4001) :**  
1 bottle containing lyophilised phosphate buffered saline with LONG<sup>®</sup>R<sup>3</sup>IGF and 0.0125% Proclin 300.
- 2.2. **Antibody coated plate (AC-4002W) :**  
Microplate with anti-LONG<sup>®</sup>R<sup>3</sup>IGF-I mouse monoclonal antibody linked to the inner surface of the polystyrene wells. 12 x 8 well strips in a foil pouch with desiccant.
- 2.3. **Conjugate (AC-4003) :**  
1 bottle containing anti-LONG<sup>®</sup>R<sup>3</sup>IGF-I mouse monoclonal antibody conjugated to horse radish peroxidase in saline, containing proteins and 0.02% methylisothiazolone and 0.02% bromonitrodioxane, 13 mL per bottle.
- 2.4. **Assay Buffer (AC-400B) :**  
Phosphate buffered saline with 0.0125% Proclin 300, 50 mL per bottle.
- 2.5. **TMB substrate (AC-TMB) :**  
A proprietary aqueous formulation of tetramethylbenzidine (TMB) with hydrogen peroxide, 24mL per bottle.
- 2.6. **Stop reagent (AC-STOP) :**  
0.5M hydrochloric acid, 14mL per bottle
- 2.7. **Wash Concentrate (AC-WASH) :**  
Phosphate buffered saline containing Tween, 50 mL per bottle.

## 3. Hazards Identification

- 3.1. **Hazards** Calibrator, Conjugate, Assay Buffer, TMB and Wash Concentrate:  
R22 Harmful if swallowed.
- 3.2. **Hazards** Stop Reagent:  
R36/38 Irritating to eyes and skin.  
R22 Harmful if swallowed.

## 4. First Aid Measures

- 4.1. **After skin contact :**  
Wash with soap and water and rinse thoroughly.
- 4.2. **After eye contact :**  
Rinse opened eye under running water for several minutes, and seek medical advice if discomfort persists.
- 4.3. **After swallowing :**  
Seek medical help.

## 5. Fire-Fighting Measures

- 5.1. Not applicable.

## 6. Accidental Release Measures

- 6.1. All solutions :  
S24/25 Avoid contact with skin and eyes.  
Run to waste diluting greatly with running water.

## 7. Handling and Storage

- 7.1. No special conditions required.

## 8. Exposure Controls / Personnel Protection

- 8.1. General protective Measures
- 8.1.1. Wash hands after use.  
8.1.2. Avoid contact with eyes and skin.
- 8.2. Personal Protective Equipment
- 8.2.1. Protective gloves.

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## 9. Physical and Chemical Properties

### 9.1. Calibrator

- 9.1.1. Form : Solid in glass bottle.
- 9.1.2. Colour : Red.
- 9.1.3. pH : Neutral.
- 9.1.4. Solubility in water : Fully soluble.

### 9.2. Antibody Coated plate

- 9.2.1 Form : Plate in foil pouch.
- 9.2.2 Colour : Not applicable.
- 9.2.3 pH : Not applicable.
- 9.2.4 Solubility in water : Not applicable.

### 9.3. Conjugate

- 9.3.1 Form : Liquid in glass bottle.
- 9.3.2 Colour : Yellow.
- 9.3.3 pH : Neutral.
- 9.3.4 Solubility in water : Fully Soluble.

### 9.4. Assay Buffer

- 9.4.1. Form : Solution in glass bottle.
- 9.4.2. Colour : Blue.
- 9.4.3. pH : Neutral.
- 9.4.4. Solubility in water : Fully Soluble.

### 9.5. TMB Substrate

- 9.5.1 Form : Liquid in brown plastic bottle.
- 9.5.2 Colour : Colourless.
- 9.5.3 pH : Neutral.
- 9.5.4 Solubility in water : Fully Soluble.

### 9.6. Stop Reagent

- 9.6.1 Form : Liquid in glass bottle.
- 9.6.2 Colour : Colourless.
- 9.6.3 pH : Acidic.
- 9.6.4 Solubility in water : Fully Soluble.

### 9.7. Wash Concentrate

- 9.7.1 Form : Liquid in glass bottle.
- 9.7.2 Colour : Colourless.
- 9.7.3 pH : Neutral.
- 9.7.4 Solubility in water : Fully Soluble.

## 10. Stability and Reactivity

### 10.1. Thermal decomposition

- 10.1.1. All reagents :  
No decomposition if stored and used according to the instructions for use.

### 10.2. Dangerous reactions

- 10.2.1. All reagents :  
No dangerous reactions known.

### 10.3. Dangerous products of decomposition

- 10.3.1. All reagents :  
No dangerous products of decomposition known.

## 11. Toxicological Information

### 11.1. No data.

## 12. Ecological Information

### 12.1. Product safe to enter drainage system.

## 13. Disposal Considerations

### 13.1. Product Recommendation :

- 13.1.1. Run to waste, diluting with water. For further information consult the local regulations.

### 13.2. Unclean packaging :

- 13.2.1. All reagent packaging can be disposed of as non-hazardous industrial waste.

## 14. Transport Information

### 14.1. Product description: Composite Diagnostic Kit.

### 14.2. Goods and packaging comply fully with IATA Hazardous Goods Regulations.

## 15. Regulatory Information

### 15.1. Risk Phrases

15.1.1. Hazards Calibrator, Conjugate, Assay Buffer, TMB and Wash Concentrate :  
R22 Harmful if swallowed.

15.1.2. Hazards Stop Reagent :  
R36/38 Irritating to eyes and skin.  
R22 Harmful if swallowed.

### 15.2. Safety Phrases

15.2.1. Calibrator, Conjugate, Assay Buffer, TMB and Wash Concentrate :  
S36 Wear suitable protective clothing

15.2.2. Stop solution :  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 Wear suitable protective clothing

## 16. Other Information

16.1. Whilst IDS will bring users attention to all substances known to constitute a hazard, failure to classify reagents does not indicate absence of risk. It is intended that products supplied by IDS are used by qualified laboratory workers who will handle the products safely, in accordance with local regulations and exercise due caution when disposing of reagents. The above data shall not constitute a guarantee or a legally valid contractual relationship.