

**SAFETY DATA SHEET**  
SOLUS SALMONELLA ELISA ASSAY

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**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** SOLUS SALMONELLA ELISA ASSAY

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** PC21: Laboratory chemicals.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Solus Scientific Solutions Ltd  
Unit 9, Mansfield Network Centre  
Millenium Business Park, Concorde Way  
Mansfield  
Nottinghamshire  
NG19 7JZ  
United Kingdom

**Tel:** +44 (0) 1623 429701

**Email:** [info@solusscientific.com](mailto:info@solusscientific.com)

**1.4. Emergency telephone number**

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

**2.2. Label elements**

**Label elements:**

**Precautionary statements:** P270: Do not eat, drink or smoke when using this product.

P233: Keep container tightly closed.

P235+410: Keep cool. Protect from sunlight.

P281: Use personal protective equipment as required.

**2.3. Other hazards**

**Other hazards:** Light sensitive May cause skin irritation May cause eye irritation May cause irritation of the throat Conjugate reagent component of kit contains <0.01% of Salmonella Monoclonal, and polyclonal antibodies conjugated to Horse raddish peroxidase; Treat as harmful if swallowed.

**PBT:** This product is not identified as a PBT/vPvB substance.

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### Section 3: Composition/information on ingredients

#### 3.1. Substances

**Chemical identity:** SOLUS SALMONELLA ELISA ASSAY

**Contains:** Kit contains several component parts. These parts are manufactured using various products not classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-120.

Where a component part uses products that are classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-120, they are listed below.

Tris(hydroxymethyl)aminomethane; CAS;77-86-1; H319; H335:H319 <5%

Sulphuric acid; CAS 7664-93-9; H290; H314; 0.2M aqueous solution, (<5% sulphuric acid)

Hydrochloric acid, CAS 7647-01-0; H290;H335:H314, 2M; <5%

Hydrochloric acid, CAS 7647-01-0; H290;H335:H314, 0.1M; <5%

Hydrochloric acid, 37%; CAS 7647-01-0; H290;H335:H314, <3%

Bovine serum albumin; H335; <5%

Antifoam solution; H319 <1%

2-Methyl-4-isothiazolin-3-one solution; CAS 2682-20-4;H302

H314;H317;H331;H335:H400; <0.1%; (Proclin 950)

5-Chloro-2-methyl-4-isothiazolin-one and 2-methyl-2H-isothiazol-3-one solution in glycols (3:1);H302:H314:H331:H315; <0.1%; (Proclin 300)

Conjugate reagent component of kit contains <0.01% of Salmonella monoclonal and polyclonal antibodies conjugated to Horse raddish peroxidase; H302.

At the level of concentrations shown above the substances are not classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-1200

TMB substrate; (3,3',5,5'-Tetramethylbezidine dihydrochloride with ,0.5% (N-methylpyrrolidone; Cas; 872-50-4; H360D; H319) AL Tox a/s has concluded the mixture is not classified according to EC(67/548 or 1999/45) and CLP 1272/2008

### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

[cont...]

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**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** No data available.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Transfer to a suitable container.

**6.4. Reference to other sections**

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Keep away from direct sunlight. Refrigerate

**7.3. Specific end use(s)**

**Specific end use(s):** PC21: Laboratory chemicals.

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**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Not applicable.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Multi component kit

**9.2. Other information**

**Other information:** Kit consists of microwell plate(s) and various liquid solutions

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Light sensitive.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4. Conditions to avoid**

**Conditions to avoid:** Direct sunlight. Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Oxidising agents.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

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**11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** Not applicable.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose of used plates as hazardous waste. Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Dispose of as unused product

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

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**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

This msds was generated by Scafell Organics Ltd Nottingham Tel 01949 823777. e-mail [kath@scafellorganics.com](mailto:kath@scafellorganics.com)

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