



# SAFETY DATA SHEET

Malaria Antigen CELISA

Section 5 Office Use Only  
Doc. No.: 5109-17v05  
Malaria Ag CELISA SDS  
Issue Date: 17/10/2016  
Authorised By: DDH

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

### 1.1. Product identifier

**Product name:** Malaria Antigen CELISA

**Product Code:** KM2

<b>Components:</b>	Microwell Plates	Conjugate Diluent	Substrate
	Positive Control	Washing Buffer	Substrate Buffer
	Negative Control	Enzyme Conjugate	Stopping Solution

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

Enzyme-linked Immunosorbent Assay (ELISA) for the detection of *Plasmodium falciparum* antigen HRP2 biomolecule in blood, serum and plasma samples.

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

#### Company Details

Cellabs Pty Ltd  
7/27 Dale Street  
Brookvale 2100  
NSW, Australia

#### Contact Details

Telephone: +61 2 9905 0133  
Fax: +61 2 9905 6426  
email: [admin@cellabs.com.au](mailto:admin@cellabs.com.au)

### 1.4. Emergency telephone number

**Emergency telephone:** + 61 2 9905 0133 (office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under 1272/2008 EC Regulation**

<b>Stopping Solution</b>	:	Skin irrit. 2	H319
		Eye irrit. 2	H315

All other components listed in Section 1.1 are not classified in CLP.

**FOR TRANSPORT USING AIR (COURIERS): PLEASE NOTE THAT THE CONCENTRATION OF STOPPING SOLUTION IS VERY LOW AT 6.5% (less than the concentration limits of 10%) AND PACKAGED IN ACCEPTABLE QUANTITIES (30ML) THEREFORE THIS KIT IS CLASSIFIED AS NON-HAZARDOUS LABORATORY DIAGNOSTIC KIT- SEE TRANSPORT CLASSIFICATION IN SECTION 14.**

### 2.2. Label elements

**Label elements: GHS**



**Hazard Pictograms :**

GHS05

GHS07



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**Signal Word** : Danger

**Hazard Statements** : H315 May cause skin irritation  
H335 May cause respiratory irritation  
H290 May be corrosive to metals

**Precautionary Statements:** P201 Obtain special instructions before use  
P234 Keep only in original container  
P260-P261 Do not breath and avoid breathing mist/vapours/spray  
P262 Do not get in eyes, on skin or on clothing  
P280 Wear protective gloves/clothing/eye or face protection  
P302 + 350 IF ON SKIN: Gently wash with plenty of soap and water  
P304 + P340 + P341 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if preset and continue rinsing  
P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
P308 + P313 IF exposed or concerned: Get medical advice/attention  
P401 Store at 2-8oC  
P501 Dispose of contents/container as per laboratory methods for acids.

## 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

#### Stopping Solution

Name	Product Identifier		%	Classification GHS
Deionised water	CASNo. 7732-18-5	ECNo. 231-595-7	>90%	Not classified
Hydrochloric Acid (HCl)	CASNo. 7647-01-0		< 10%	Skin Irrit. 2 H315 Eye irrit 2 H319

**Contains:** Contains no hazardous substances in reportable quantities under the CLP.

Refer to Section 16 for full description of H statements.

## Section 4: First aid measures

### 4.1. Description of first aid measures

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

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical advice/attention.

**Ingestion:** Do not induce vomiting. Wash mouth with water and give plenty of water to drink



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immediately. Obtain medical attention if necessary and show label on container.

**Inhalation:** Irritation is unlikely to occur but in the event of discomfort, provide plenty of fresh air and if necessary seek medical assistance.

### 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 irritation of the throat.

**Inhalation:** No symptoms.

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** No known specific hazards

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Do not enter fire without proper protective equipment, including respiratory protection.

## 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.

Turn leaking containers leak-side up to prevent the escape of liquid.

### 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:** For small spills, clean up with paper/cloth, or mop up, and dispose of safely.  
Clean area of spillage down with plenty of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** No special requirements.

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



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**Storage conditions:** Store in a cool, well ventilated area.

Store in original container between 2°C and 8°C. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## 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 all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Use protective laboratory goggles or hood with barrier.

**Skin protection:** Personal protective clothing or lab coat.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** No data available

**Flash point°C:** No data available

**Vapour pressure:** No data available.

**pH:** 0

**Melting point/range°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** No

### 9.2 Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

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



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## 10.2. Chemical stability

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

## 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:** No known specific conditions to avoid

## 10.5. Incompatible materials

**Materials to avoid:** None known.

## 10.6. Hazardous decomposition products

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

	<b>Stopping Solution (&lt;10% Conc. HCl)</b>
<b>Specific Concentration limits</b>	Eye Irrit. 2; H319: $10\% \leq C < 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$ Skin Corr. 1B; H314: $C \geq 25\%$ STOT SE 3; H335: $C \geq 10\%$ Acute inhalation toxicity for >25% = LC50 Rat: 4.74 mg/L, 1 h (RTECS)

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No information available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Not established

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Partition coefficient: n-octano/water. Not applicable

### 12.4. Mobility in soil

**Mobility:** No information available

### 12.5. Results of PBT and vPvB assessment

**PBT identification:**

**Stopping Solution:** This product does not meet the criteria for PBT/vPvB according to Regulation EC No. 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

### 12.6. Other adverse effects

**Other adverse effects:**



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**Stopping Solution (Hydrochloric Acid <10%):** Forms corrosive mixtures with water even if diluted. Harmful effect due to pH shift. Discharge into the environment must be avoided.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:**

**Stopping Solution:** Dispose of in accordance with current legislation and local authority regulations and in accordance with Directive on waste 2008/98/EC. Leave in original container. No mixing with other waste. Handle uncleaned product like the product itself.

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

## Section 14: Transport information

### IMPORTANT FOR COURIERS/TRANSPORT

Land Transport (ADR)	Not subject to regulation as package sizes below limited quantities described in ADR
Sea transport (IMDG)	Non examined Regulation
Air Transport (IATA)	Exempted from the marking, labeling and documentation requirements of these Regulations when shipped below limited quantities described.

### 14.1. UN number

UN number: N/A

### 14.2. UN proper shipping name

**Shipping name:** This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Non-hazardous for rail or road, sea and air transport

### 14.3. Transport hazard class(es)

Not Applicable

### 14.4. Packing group

Not Applicable

### 14.5. Environmental hazards

No Information available

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

## Section 15: Regulatory information

### 15.1. Local Regulation

**Specific regulations:** No additional regulation applicable



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## 15.2. International Regulation

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Classification according to Directive 67/548/EEC or 1999/45/EC  
Not Classified

## Section 16: Other information

### Other information

**Full text of H Phrases:** see Section 2.2

H315	Causes serious skin irritation		
H319	Causes serious eye irritation		

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.