

## **Safety Data Sheet**

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### **SECTION 1: Identification of the product and of the company/undertaking**

- 1.1 Product name** : **Cry1Ac/Cry2A LFS kit**  
Product catalog number : **AID 038**  
Brand : Amar
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Identified uses** : Laboratory reagents, Manufacture of substances  
For in vitro diagnostics use only
- 1.3 Manufacturer's information :**
- Company Name: Amar Immunodiagnostics Pvt Ltd  
Address: 242/1, Road No 18, Jubilee Hills  
Hyderabad 500033, INDIA
- 1.4 Emergency Phone numbers:** +914023552953  
+919849016777 ( Mobile)  
+914023552954 ( Fax)
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### **SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture**  
Not a hazardous substance or mixture according to Regulation (EC) No. (EC) No. 1272/2008.
- 2.2 GHS Label elements**  
Not a hazardous substance or mixture.  
Contains mouse monoclonal antibody and Bovine serum albumin.
- 2.3 Other Hazards**  
This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
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### **SECTION 3: Composition/information on ingredients**

- 3.1 Mixtures**

No components need to be disclosed according to the applicable regulations.

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#### **SECTION 4: First aid measures**

##### **4.1 Description of first aid measures**

###### **General advice**

Consult a physician. Show this safety data sheet to the doctor.

**4.2 Inhalation:** Breath fresh air and rest. If breathing is difficult, give oxygen.

**4.3 Skin contact:** Remove contaminated clothing. Wash the affected area with soap and water. Consult physician if necessary

**4.4 Eye contact:** Rinse immediately with copious amount of water for at least 15 minutes with the eyelid held wide open. Consult a doctor if symptoms persist.

**4.5 Ingestion:** Rinse mouth and throat with water. Consult a doctor if symptoms persist. Never give anything to drink / eat to an unconscious person.

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#### **SECTION 5: Firefighting measures**

**5.1 Extinguish media:** The choice of extinguish media depends on surroundings, preferably water spray, carbon dioxide, powder or foam. If possible remove adjacent containers or keep cool by spraying with water. In case of heat/fire, harmful oxides may evolve.

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

##### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary

##### **5.4 Further information**

No data available

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#### **SECTION 6: Accidental release measures**

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

##### **6.2 Environmental precautions:**

No special precaution is necessary, although discharge in

Sewerage systems, surface and ground water should be prevented.

**6.3 Methods and materials for containment and cleaning up**

Clean up with absorbent paper and dispose off in a sealed container according to current waste regulations

**6.4 Reference to other sections**

For disposal check section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation. Direct physical contact with all components in this product should be avoided and avoid ingestion.

**7.2 Conditions for safe storage**

Keep container tightly closed in a cool place. Keep from freezing. Protect from light. Temperature for storage is 2-8°C.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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

**8.1 Control parameters**

**8.2 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8.3 Exposure controls:**

Ensure good ventilation, avoid, if possible direct contact with the product. An emergency shower and /or an eye bath should be available in the work place.

**8.4 Personal protective equipment:**

**Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineer protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye protection:**

Use chemical safety goggles where splashing is possible

**Skin protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove

removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:**

Laboratory coat.

**Environmental exposure controls:**

Do not let product enter drains.

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**SECTION 9: Physical and chemical properties**

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

|   |                   |
|---|-------------------|
| a) pH   | No data available |
| b) Appearance                                   | Form: liquid      |
| c) Odor   | No data available |
| d) Melting point/freezing point                 | No data available |
| e) Flash point                                  | No data available |
| f) Odor Threshold                               | No data available |
| g) Initial boiling point and boiling range      | No data available |
| h) Vapor pressure                               | No data available |
| i) Flammability (solid, gas)                    | No data available |
| j) Water solubility                             | No data available |
| k) Viscosity                                    | No data available |
| l) Explosive properties                         | No data available |
| m) Oxidizing properties                         | No data available |
| n) Upper/lower flammability or explosive limits | No data available |
| o) Vapor density                                | No data available |
| p) Relative density                             | No data available |
| q) Partition coefficient: n-octanol/water       | No data available |
| r) Auto-ignition temperature                    | No data available |
| s) Decomposition temperature                    | No data available |
| t) Evaporation rate                             | No data available |

**9.2 Other safety information**

No data available

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**SECTION 10. Stability and reactivity**

**10.1 Stability:**

Stable under recommended storage conditions.

**10.2 Conditions to avoid:**

No data available

**10.3 Incompatible materials**

Strong oxidizing agents

**10.3 Hazardous decomposition products:**

Insufficient combustion may form harmful oxides such as Sulphur oxide, carbon oxides, nitrogen oxides, chloro oxides, phospho oxides etc.

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**SECTION 11: Toxicological information**

**11.1 General:**

Data is lacking on the product

**11.2 Inhalation:**

The product is not judged to be hazardous to health.

**11.3 Skin contact:**

It might have a slight irritating effect on skin

**11.4 Acute toxicity**

No data available

**11.4 Eye contact:**

No data available

**11.5 Carcinogen city**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**11.6 Reproductive toxicity**

No data available

**11.7 Germ cell mutagenicity**

No data available

**11.8 Specific target organ toxicity**

**No data available**

**11.9 Specific target organ toxicity**

No data available

**11.10 Aspiration hazard**

No data available

**11.11 Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**SECTION 12: Ecological information**

**12.1 Eco-toxicity:**

Data is lacking on the product

**12.2 Mobility in soil**

No data available

**12.3 Bio accumulative potential**

Data is lacking. The product is judged not to be potential bio accumulated

**12.4 Persistence and degradability**

No data available

**12.5 Other adverse effects:**

The organic part is judged to be easily biodegradable

**12.6 Remarks**

Relevant data of analysis of the product is lacking. The information given above is based on knowledge of the eco toxicology of the components. The product is judged neither to be dangerous for the environment nor to cause long-term adverse effects in the aquatic environment.

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**SECTION 13: Disposal considerations**

**13.1 Product**

Discarded products and related waste is not hazardous waste acc. to current waste Legislation. For disposal contact approved waste management company  
Requirement for certain permission exists- see current waste legislation.

**13.2 Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information**

- 14.1** The product is not classified as dangerous goods according to current transport legislation (ADR/RID, DGR and IMDG code).
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**SECTION 15: Regulatory information**

**15.1 (According to 2001/58/eEC)**

Classification and labeling: The product is not classified as health and environmentally hazardous according to current legislation.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

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**SECTION 16: Other information**

The above information is believed to be correct and may not be all conclusive; however, it should only be used as a guide. AMAR IMMUNODIAGNOSTICS shall not be held liable for any damage resulting from handling or contact with the above product.