

# Material Safety Data Sheet

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| <b>1. Information of the substance/preparation and of the company</b> |  |  |                |               |
| 1.1   | Product identifier                               | FUS Series Reagent Kit   |                |               |
|   | Reagent Kit Contents                             | Positive Control<br>Negative Control<br>Standard Solution<br>Focus   |                |               |
| 1.2   | Details of the supplier of the safety data sheet | Dirui Industrial Co., LTd  |                |               |
|   |  | Tel: +8643185100409  |                |               |
|   |  | Fax: +8643185173354  |                |               |
| 1.3   | Emergency telephone number                       | Tel: 800 846 8578  |                |               |
| 1.4   | Technical Instruction No.                        | MSDS-SJ(FUS-SJH)/SJZG-006-04   |                |               |
| <b>2. Composition / Hazardous Ingredients</b>                         |  |  |                |               |
|   | Item   | Component  | Single/Mixture | Concentration |
|   | Focus  | Quality control blood  |                |               |
|   |  | Buffer solution  | Mixture        |               |
|   | Standard Solution                                | Quality control blood  |                |               |
|   |  | Buffer solution  | Mixture        |               |
|   | Positive Control                                 | Quality control blood  |                |               |
|   |  | Buffer solution  | Mixture        |               |
|   | Negative Control                                 | Buffer solution  | Mixture        |               |
| Remark: The testing result shown as below:                            |  |  |                |               |
|   | Test   | Result   |                |               |
|   | HbsAg (Colloidal Gold)                           | Non-reactive   |                |               |
|   | HCV (Colloidal Gold)                             | Non-reactive   |                |               |
|   | HIV 1/2 (Colloidal Gold)                         | Non-reactive   |                |               |
|   | Treponema pallidum (Colloidal Gold)              | Non-reactive   |                |               |
| <b>3. Hazards Identification</b>                                      |  |  |                |               |
|   | Hazard Classification                            | Not involved   |                |               |
|   | Contact Form                                     | Inhalation, Ingestion, Skin contact  |                |               |
|   | Health hazard                                    | Does not meet EU, OSHA or WHMIS criteria for hazardous materials.  |                |               |
|   | Environmental hazard                             | May bring pollution to water and soil.   |                |               |
|   | Blast hazard                                     | None   |                |               |
| <b>4. First aid measures</b>  |  |  |                |               |
|   | Emergency First Aid:                             | Call an internal First Aid where available or else contact a physician immediately.<br>Direction for First Aid or Physician. |                |               |
|   | Inhalation:                                      | If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.   |                |               |
|   | Ingestion:                                       | If swallowed wash out mouth with water provided person is conscious, call a physician.                                       |                |               |
|   | Skin Contact:                                    | In case of skin contact the pollution area of the worktable immediately wash skin with soap and copious quantities of water. |                |               |

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| Eye Contact:                                    | Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.   |
| <b>5. Fire-fighting measures</b>                |   |
| Hazard features:                                | Non-flammable   |
| Harmful combustion product                      | None  |
| Extinguishing media:                            | Foam, powder  |
| Fire Fighting measures:                         | Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes, stand upwind position.   |
| <b>6. Accidental release measures</b>           |   |
| Emergency treatment:                            | When use the cleanser, it is easily spill-out, and may be contacted by user. During usage, please ware disposable medical gloves, and once it spilled, do not deal with exposed hands.  |
| <b>7. Operation and Storage</b>                 |   |
| Operating                                       | <ol style="list-style-type: none"> <li>1. Limit usage to qualified professional users that after training.</li> <li>2. For used and passed validation period detergent, please reference laboratory biohazard material handling method to dispose.</li> <li>3. Wear medical gloves when operating.</li> <li>4. Avoid contact skin and clothing. Wash thoroughly with large amount of water once contacted; once get into the eyes, wash with large amount of water and suggest apply medical treatment; once swallow, see doctor right away.</li> </ol> |
| Storage   | <ol style="list-style-type: none"> <li>1. Store at temperature 2~8℃ and dry, away from sunshine, sealed place, the period of validity is 6 months.</li> <li>2. After open seal store at 2~8℃, the period of validity of standard solution is 7 days; the positive and negative control liquid, focus is 30 days.</li> <li>3. Avoid direct sunshine, rain; prevention of collision, squeezing. Avoid damage the package, which will cause leak of the reagent.</li> </ol>  |
| <b>8. Exposure controls/personal protection</b> |   |
| Maximum permissible concentration               | No data   |
| Respiratory protection:                         | Ware protection apparatus, e.g. mask  |
| Eye protection:                                 | Protective glasses  |
| Hand protection:                                | Standard laboratory rubber or latex gloves.   |
| Skin protection:                                | A laboratory coat or apron is recommended   |
| <b>9. Physical and chemical properties</b>      |   |
| Physical state:                                 | The focus, positive control and negative control are turbid liquid with mildly suspension; the negative control is colorless transparent liquid.  |
| Odour:  | No stimulate odour  |
| pH value:                                       | 7.10±0.2(at temperature 25±1℃)  |
| Boiling point                                   | No data   |
| Relative density: (water=1)                     | Insignificance  |
| Relative vapour density: (air=1)                | Not Applicable  |
| Octanol/ Water partition coefficient            | Not Applicable  |
| Melting point:                                  | Insignificance  |

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| Ignition temperature                  | Not determined  |
| Explosion limits:                     | Not determined  |
| Density:                              | Not determined  |
| Solubility in water:                  | Insignificance  |
| Main application                      | <ol style="list-style-type: none"> <li>1. The positive and negative control is used during testing process for quality control.</li> <li>2. The focus is use to determine the position of focal plane of FUS series urine sediment analyzer.</li> </ol>   |
| <b>10. Stability and reactivity</b>   |   |
| Stability:                            | <ol style="list-style-type: none"> <li>1. Store at temperature 2~8℃ and dry, away from sunshine, sealed place, the period of validity is 6 months.</li> <li>2. After open seal store at 2~8℃, the period of validity of standard solution is 7 days; the positive and negative control liquid, focus is 30 days.</li> </ol> |
| Taboos:                               | Don't mix with acid solution.   |
| Conditions to avoid:                  | Avoid direct sunshine, rain; prevention of collision, squeezing. Avoid damage the package, which will cause leak of the reagent.  |
| Polymerization hazard                 | Not determined  |
| Hazardous decomposition products:     | No data   |
| <b>11. Toxicological information:</b> |   |
| Acute toxicity                        | No data   |
| Sub-acute and chronic toxicity        | No data   |
| Acrimony                              | Mild irritate eyes area and skin  |
| Sensitization                         | No data   |
| Mutagenicity:                         | No data   |
| Teratogenicity:                       | No data   |
| Carcinogenicity:                      | No data   |
| <b>12. Ecological information</b>     |   |
| Ecotoxicity:                          | No data   |
| Biodegradation:                       | No data   |
| Non- biodegradation:                  | No data   |
| <b>13. Disposal</b>                   |   |
| Waste Property                        | Medical waste   |
| Waste disposal method                 | Each disposal facility must determine proper disposal methods of the substance or preparation and any contaminated packaging to comply with Local and National Environmental Regulations  |
| Matters need attention                | For used or past due urine strips, operator should in strict accordance with biology hazard material disposal method to implement self-protection.  |
| <b>14. Transport Information</b>      |   |
| Dangerous goods serial number         | Not involved  |
| UN number                             | Not involved  |
| Packing Mark                          | Moistureproof, frangibility, keep in shade, 2~8℃ transportation   |

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| Packing category                                     | The product not listed in the requirement of GB/T15098-94 <The principle of classification of transport packaging groups of dangerous goods>  |  |
| Packing method                                       | 125ml×4, and could be packed according to order quantity.   |  |
| Transportation Matters need attention                | The product can not get wet in the rain, and keep in shade storage; the outer packing bottle is fragile products, avoid weight product extrusion during transportation; must be delivered between 2~8℃ temperature. |  |
| Dangerous goods serial number                        | Not involved  |  |
| 15. Regulatory information                           |   |  |
| State chemical material safety management regulation | GB15258-1999  | General rules for preparation of precautionary label for industrial chemicals    |
|  | 344 <sup>th</sup> Decree of the State Council of the People's Republic of China   | Regulations on the Control over Safety of Dangerous Chemicals                    |
|  | GB/T15098-94  | The principle of classification of transport packaging groups of dangerous goods |
|  | GB/T13690-2009  | General rules of classification of industrial chemicals and hazard notice        |
|  | GB 16483-2000   | General rules of compile instruction for industrial chemicals                    |
| 16. Other information                                |   |  |
| Date of fill the form                                | Feb. 10th, 2011   |  |