

| 1. Information of the substance/mixture and of the company/undertaking |  |
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| 1.1 Commercial product name  | Apolipoprotein B Immunoturbidimetric   |
| Cat. No.:  | LP2117   |
| 1.2 Company:   | RANDOX Laboratories Ltd., 55 Diamond Road, Crumlin, Co. Antrim, United Kingdom, BT29 4QY<br>Tel: +44 (0) 28 9442 2413; Fax: +44 (0) 28 9445 2912<br>Email: <a href="mailto:msds@randox.com">msds@randox.com</a><br>Website: <a href="http://www.randox.com">www.randox.com</a> |
| 1.3 In Emergencies:  | Tel: +44 (0) 28 9442 2413  |

| 2. Hazards identification |   |
|---------------------------|---|
| Chemical Name             | Contains no hazardous substances in reportable quantities |
| Classification:           | Biohazard   |

| 3. Composition / Information on Ingredients |   |
|---|---|
| Warnings:                                   | For <i>in vitro</i> diagnostic use only. Do not pipette by mouth. Handle laboratory reagents in accordance with Good Laboratory Practice.<br>The buffer and antibody reagent contain sodium azide (< 0.1%). Avoid ingestion or contact with skin or mucous membranes. In case of skin contact, flush affected area with copious amounts of water. In case of contact with eyes or if ingested, seek immediate medical attention.<br>The serum calibrator in this kit is of human origin. This serum has been tested for the HIV (Human Immunodeficiency Virus) Antibody, HBs Ag and HCV and found to be non-reactive. However as no method can offer complete assurance as to the absence of infectious agents, this material and all patient samples should be handled as though capable of transmitting infectious disease and disposed of accordingly. |
| Risk phrases:                               | None  |
| Safety phrases:                             | None  |

| 4. First aid measures |  |
|-----------------------|--|
| Emergency First Aid:  | Call an internal First Aider where available or else contact a physician immediately.<br>Direction for First Aider 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:         | Wash off skin thoroughly with water. In addition, with the Calibrator, remove contaminated clothing and treat with dilute Virkon <sup>R</sup> (1%) briefly.<br>Wash skin in detergent and water after swabbing with Virkon <sup>R</sup> or similar Virucidal disinfectant. |
| Eye Contact:          | Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.  |

| 5. Fire-fighting measures           |  |
|-------------------------------------|--|
| Flash point:                        | Not determined   |
| Flammable limits:                   | Not determined   |
| Extinguishing media:                | No restriction   |
| Special Fire Fighting Procedures:   | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |
| Unusual Fire and Explosion Hazards: | May emit toxic fumes under fire conditions   |
| Thermal decomposition:              | Not determined   |

| 6. Accidental release measures |   |
|--------------------------------|---|
| After spillage:                | <p><b>BUFFER AND ANTIBODY REAGENT</b><br/>           Use appropriate spill absorbent kit as instructed by the manufacturer. Alternatively, mop up with an absorbent material and hold for waste disposal.<br/>           Appropriate Personal Protective Equipment should be worn, e.g. laboratory coat, gloves, safety glasses and mask.<br/>           Ventilate area and wash spill site after material pick up is complete.</p> <p><b>PRECAUTIONS FOR CALIBRATOR ONLY</b><br/>           Treat material as you would human body fluids. Disposal should, therefore include autoclaving at 121<sup>°</sup>C for 20 mins prior to appropriate disposal with regard to local regulations.</p> <p>Alternatively, decontamination using a 0.1% sodium hypochlorite is acceptable. Perform this type of decontamination in a fume hood.</p> |
| Absorbent material:            | No restriction  |

| 7. Handling and storage |   |
|-------------------------|---|
| 7.1 Handling:           | Wash thoroughly after handling. Do not use if skin is cut or scratched. Avoid contact with eyes, skin and clothing. |
| 7.2 Storage             | Store at temperatures and conditions as indicated on the product label  |
| Do not store together:  | N/A   |

| 8. Exposure controls/personal protection |   |
|--|---|
| MEL/OES                                  | Not determined                              |
| Respiratory protection:                  | None  |
| Eye protection:                          | Protective glasses                          |
| Hand protection:                         | Standard laboratory rubber or latex gloves. |
| Skin protection:                         | A laboratory coat or apron is recommended   |

| 9. Physical and chemical properties |  |
|-------------------------------------|--|
| Physical state:                     | Liquid (Buffer and Antibody Reagent)<br>Solid (Calibrator)                       |
| Colour:                             | Colourless to pale straw (Buffer and Antibody Reagent)<br>Off white (Calibrator) |
| Odour:                              | Not determined   |
| pH value:                           | Not determined   |
| Boiling point                       | Not determined   |
| Melting point:                      | Not determined   |
| Oxidising properties:               | Not determined   |
| Ignition temperature                | Not determined   |
| Explosion limits:                   | Not determined   |
| Density:                            | Not determined   |
| Solubility in water:                | Soluble  |

| 10. Stability and reactivity      |                         |
|-----------------------------------|-------------------------|
| Stability:                        | Stable                  |
| Conditions to avoid:              | Not determined          |
| Substances to avoid:              | Strong oxidising agents |
| Hazardous decomposition products: | Not determined          |

| 11. Toxicological information: |                             |
|--------------------------------|-----------------------------|
| LD50 oral                      | Not determined              |
| LD50 intraperitoneal           | Not determined              |
| LD50 skin                      | Not determined              |
| LC50 inhalation                | Not determined              |
| Toxicologic information:       | Not thoroughly investigated |

| 12. Ecological information |                        |
|----------------------------|------------------------|
| Water hazard class:        | Data not yet available |

|                                    |   |
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| <b>13. Disposal considerations</b> | <p>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</p> <p>Refer to Section 6.</p> <p><b>Calibrator</b><br/>Treat material as you would human body fluids. Disposal should, therefore include autoclaving at 121<sup>o</sup>C for 20 mins prior to appropriate disposal with regard to local regulations.<br/>Alternatively, decontamination using a 0.1% sodium hypochlorite is acceptable. Perform this type of decontamination in a fume hood.</p> |
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|                                  |                        |         |                        |
|----------------------------------|------------------------|---------|------------------------|
| <b>14. Transport Information</b> |                        |         |                        |
| GGVE/GGVS:                       | Data not yet available | RID/ADR | Data not yet available |
| ICAO/IATA-DGR:                   | Data not yet available | UN-Nr.: | Data not yet available |
| IMDG-CODE:                       | Data not yet available | MFAG    | Data not yet available |
|                                  |                        | EMS:    | Data not yet available |

|                                   |  |
|-----------------------------------|--|
| <b>15. Regulatory information</b> |  |
|                                   | This product contains no hazardous chemicals in reportable quantities according to CHIP 3. |
| Hazard symbol:                    | Biohazard  |
| Risk phrases:                     | None   |
| Safety phrases:                   | None   |
| Precautions (Calibrator Only)     | Contains human material; handle with due care.   |

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| <b>16. Other information</b> |  |
|                              | The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any National laws and guidelines applicable. |