

## SAFETY DATA SHEET

**Issuing Date:** 2019-11-27  
**Revision Date:** 2019-11-27  
**Revision:** New

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Supplier:**

Aalto Scientific, Ltd.  
230 Technology Parkway  
Eatonton, GA 31024  
U.S.

**Product name:** Linearity FD General Chemistry Panel 2 for Ortho Vitros  
**Product code:** K901M-5  
**Pure substance/preparation:** Preparation  
**Intended Use:** For In Vitro Diagnostic use only.  
**Customer service telephone:** (760) 431-7922  
**Email:** ehs@aaltoscientific.com  
**Emergency telephone number:** 1-800-748-6674

### SECTION 2 - HAZARDS IDENTIFICATION

**2.1 Classification:** This product contains no hazardous chemicals in reportable quantities in accordance with 29CFR1910 (OSHA HCS) or Regulation (EC) No 1272/2008 (CLP).

**2.2 Label Elements**

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Product name               | Linearity FD General Chemistry Panel 2 for Ortho Vitros |
| Hazard pictograms          | None assigned                                           |
| Signal word(s)             | None assigned                                           |
| Hazard statements          | None assigned                                           |
| Precautionary statement(s) | None assigned                                           |

**2.3 Other hazard information:** Some components of this kit contain human and/or animal blood derivatives. No known test method can offer complete assurance

that products derived from human and/or animal blood will not transmit infectious agents. Therefore, all blood derivatives should be handled using universal precautions and considered potentially infectious.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Component(s) | CAS Number | Weight % | OSHA PEL: | OSHA STEL: |
|--------------|------------|----------|-----------|------------|
| Human Serum  | N/A        | 99-100%  | N/A       | N/A        |

### SECTION 4 – FIRST AID MEASURES

|                                    |                                                                                                                                                                            |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact:</b>                | May Cause irritation. In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.                                  |
| <b>Skin contact:</b>               | May cause slight skin irritation. If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash off immediately with soap and plenty of water. |
| <b>Ingestion:</b>                  | May cause gastrointestinal irritation, nausea, vomiting and diarrhea                                                                                                       |
| <b>Inhalation:</b>                 | May cause irritation of respiratory tract                                                                                                                                  |
| <b>Protection of first-aiders:</b> | Wear suitable gloves and eye/face protection.                                                                                                                              |

### SECTION 5 – FIRE FIGHTING MEASURES

|                                                                                                                         |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Suitable extinguishing media:</b>                                                                                    | Use any extinguishing media which is suitable for the surrounding fire. |
| <b>Extinguishing media which must not be used for safety reasons:</b>                                                   | None.                                                                   |
| <b>Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:</b> | None reasonably foreseeable.                                            |
| <b>Combustion products or resulting gases:</b>                                                                          | None.                                                                   |
| <b>Special protective equipment for firefighters:</b>                                                                   | Wear self-contained breathing apparatus and protective suit.            |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

|                                   |                                                                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions:</b>      | Wear suitable gloves and eye/face protection. Handle all blood materials as if capable of transmitting infectious agents. It is recommended that blood materials be handled using established good laboratory practices. |
| <b>Environmental precautions:</b> | Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.                                                                                                                  |
| <b>Methods for cleaning up:</b>   | Wipe up with absorbent material (e.g. cloth, fleece). Clean with disinfectants. Clean contaminated surface thoroughly.                                                                                                   |

## SECTION 7 – HANDLING AND STORAGE

### Handling:

|                                 |                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Technical measures/precautions: | Wear protective safety glasses, gloves and clothing.                                                            |
| Safe handling advice:           | Always replace cap after use. Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards. |

### Storage:

|                                        |                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------|
| Technical measures/storage conditions: | Store opened and unopened containers in accordance with COA or package insert. |
| Incompatible products:                 | Keep away from sources of ignition.                                            |
| <b><u>Specific use(s):</u></b>         | In vitro diagnostic use only.                                                  |

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure limits:**

No information available.

### **Exposure controls / personal protection**

|                                         |                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------|
| <b>Engineering controls:</b>            | Ensure adequate ventilation.                                                     |
| <b>Respiratory protection:</b>          | None required.                                                                   |
| <b>Hand protection:</b>                 | Wear disposable gloves while handling. Thoroughly wash hands afterwards.         |
| <b>Eye protection:</b>                  | Wear eye/face protection                                                         |
| <b>Skin and body protection:</b>        | Wear suitable protective clothing. Wear suitable gloves and eye/face protection. |
| <b>Environmental exposure controls:</b> | No information available.                                                        |

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                           |                                      |                           |
|-----------------------------------|---------------------------|--------------------------------------|---------------------------|
| <b>Physical state:</b>            | Freeze-dried powder.      | <b>Vapor Pressure:</b>               | No information available. |
| <b>Appearance:</b>                | No information available. | <b>Specific gravity:</b>             | No information available. |
| <b>Colour:</b>                    | No information available. | <b>Density (20/4):</b>               | No information available. |
| <b>Odour:</b>                     | No information available. | <b>Water solubility:</b>             | No information available. |
| <b>Flash Point:</b>               | No information available. | <b>Solubility in other solvents:</b> | No information available. |
| <b>pH:</b>                        | Neutral.                  | <b>Partition coefficient:</b>        | No information available. |
| <b>Flammability (solid, gas):</b> | No information available. | <b>Viscosity:</b>                    | No information available. |
| <b>Explosive properties:</b>      | No information available. | <b>Vapor density:</b>                | No information available. |
| <b>Oxidizing properties:</b>      | No information available. | <b>Evaporation rate:</b>             | No information available. |
| <b>Autoignition temperature:</b>  | No information available. | <b>Fat solubility (g/l)</b>          | No information available. |
| <b>Miscibility:</b>               | No information available. | <b>Gas group:</b>                    | No information available. |
| <b>Volume resistivity:</b>        | No information available. |                                      |                           |

## SECTION 10 – STABILITY AND REACTIVITY

|                                                            |                                              |
|------------------------------------------------------------|----------------------------------------------|
| <b>Chemical stability:</b>                                 | Stable under recommended storage conditions. |
| <b>Materials to avoid:</b>                                 | No information available.                    |
| <b>Conditions to avoid:</b>                                | No information available.                    |
| <b>Hazardous polymerisation:</b>                           | No information available.                    |
| <b>Possibility of hazardous reactions:</b>                 | No information available.                    |
| <b>Hazardous incompatibilities/decomposition products:</b> | No information available.                    |

## SECTION 11 – TOXICOLOGICAL INFORMATION

|                                    |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Primary routes of exposure:</b> | The most likely routes of exposure are ingestion, skin contact, eye contact and inhalation. Material may be absorbed through raw or damaged skin. |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

|                                  |                                        |
|----------------------------------|----------------------------------------|
| <b>Symptoms of overexposure:</b> | No specific symptoms identified        |
| <b>Eye contact:</b>              | May cause eye irritation.              |
| <b>Skin contact:</b>             | May cause skin irritation.             |
| <b>Ingestion:</b>                | Not expected to be toxic if swallowed. |
| <b>Inhalation:</b>               | Not expected to be toxic if inhaled.   |
| <b>Target organ(s):</b>          | Not available.                         |
| <b>Reproductive effects:</b>     | Not available.                         |
| <b>Developmental effects:</b>    | Not available.                         |
| <b>Carcinogenicity:</b>          | Not available.                         |
| <b>Genotoxic effects:</b>        | Not available.                         |

## SECTION 12 – ECOLOGICAL INFORMATION

### Ecotoxicity

|                                   |                                               |
|-----------------------------------|-----------------------------------------------|
| <b>Ecotoxicity effects:</b>       | This product has no known ecological effects. |
| <b>Aquatic toxicity effects:</b>  | No data available.                            |
| <b>Mobility:</b>                  | No data available.                            |
| <b>Persistence/degradability:</b> | No data available.                            |
| <b>Bioaccumulation:</b>           | No data available.                            |
| <b>Degradation:</b>               | No data available.                            |

## SECTION 13– DISPOSAL CONSIDERATIONS

|                                             |                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Waste from residues/unused products:</b> | Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. |
| <b>Contaminated packaging:</b>              | Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. |

## SECTION 14 – TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

## SECTION 15– REGULATORY INFORMATION

### U.S. Federal Regulations:

|                                                          |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U.S. CERCLA/SARA/TSCA<br/>Regulatory Information:</b> | <p>This Product does not contain any chemicals currently listed on the Section 302/312, SARA Title III above the OSHA de minimis concentration.</p> <p>This product does not contain any chemicals currently listed with a CERCLA RQ above the OSHA de minimis concentration.</p> |
| <b>California Proposition 65</b>                         | This product contains trace amounts of the following substances known to the State of California to cause Cancer and/or reproductive harm: None                                                                                                                                   |

## SECTION 16 – OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

Not applicable.

**Restrictions on use:**

This product is not for human consumption. In vitro diagnostic use only.

**Additional advice:**

None.

**Full text of R-phrases referred to under sections 2 and 3**

Not applicable.

### **Disclaimer:**

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**End of Safety Data Sheet**