Material Safety Data Sheet – InSight V-IA Rotavirus Antigen Rapid Quantitative Test

Section 1 – Product and Company Identification

Manufacturer: Woodley Equipment Company Ltd.
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Product Name: InSight V-IA Rotavirus Antigen Rapid Quantitative Test

Product Description: For the quantitative determination of Rotavirus concentration in canine/feline faeces

Section 2 – Composition/Information on Ingredients

Description of Components:

Chemical Name	Applications
Tris	Detecting buffer, 0-2%
NaCL	Dissolve in PBS buffer, 0-2%
PVP-40	Dissolve in PBS buffer, 0-2%
Tween-20	Dissolve in PBS buffer, 0-2%
Tween-80	Dissolve in PBS buffer, 0-2%
Triton X-100	Dissolve in PBS buffer, 0-2%
EDTA-2Na	Dissolve in PBS buffer, 0-0.05M
Proclin 300	Dissolve in PBS buffer, 0-0.05%
PVC Board	Support glass fibre and cellulose nitrate films
Glass Fibre	Base of sample pad and microsphere pad
Nitrocellulose Membrane	Immobilise test line reagent and control line reagent
Anti-Rotavirus Monoclonal Antibody, Mouse	Test line reagent, bound to fluorescent microsphere
Rabbit IgG	Control line reagent
Goat Anti Rabbit IgG	Bound to fluorescent microsphere
Fluorescent Microsphere	Bound to test and control line reagent
Bibulous Paper	Absorb the test samples to prevent the backflow of the samples
Desiccant	Silica gel, keep strip drying
Plastic Casing	Fixed reagent strip

Hazardous Ingredients: Hazardous solid or liquid substances present in >1%

Component	Cas #	Percentage
Tris	77-86-1	0-0.01M
NaCL	7647-14-5	0-2%
PVP-40	9003-39-8	0-2%
Tween-20	9005-64-5	0-2%
Tween-80	9005-65-6	0-2%
Triton X-100	9002-93-1	0-2%
EDTA-2Na	6381-92-6	0-0.05M
Proclin 300		0-0.05%
No hazardous substances presented in detection buffer are greater than 1%		

Section 2 Notes: See Section 15 for additional information on hazard classifications

Section 3 – Hazard Identification

Emergency Overview: Handle detection buffer in accordance with good industrial/personal hygiene and safety practice. Avoid unnecessary contact or exposure to detection buffer.

Acute Health Hazards
Eye: No information available
Skin: No information available
Ingestion: May be harmful if swallowed. Ingestion may cause nausea, vomiting, diarrhoea, abdominal pain and gastrointestinal irritation.

Chronic Health Hazards: None known

Aggravated Medical Conditions: No information available

Section 4 – First Aid Measures

Eye Contact: Flush open eye under running water for 15 minutes or longer. If pain or irritation occurs, seek medical attention immediately.

Skin Contact: Wash contacted skin with soap and water. Remove contaminated clothing. If pain or irritation occurs, seek medical attention immediately.

Ingestion: Rinse mouth with water and seek medical attention immediately.

Inhalation: Inhalation of any component of this detection buffer is unlikely.

Section 5 – Fire Fighting Measures

Flash Point: Non-combustible

Auto-Ignition Temperature: No information available

Flammable Limits (Upper/Lower): No information available

Extinguishing Media: Water spray, dry chemical, carbon dioxide or alcohol-resistant foam

Special Fire Fighting Procedures: Use suitable fire extinguishing media to surrounding fire. Wear self-contained breathing apparatus and full protective suit if necessary. If possible, prevent run off water from entering the sewage drains or other environmentally sensitive areas.

Unusual Fire and Explosion Hazards: Irritating fumes or toxic gases, such as carbon monoxide and carbon dioxide, could be produced.

NFPA Hazard Classification: Health 1
Flammability 0
Reactivity 0

Section 6 – Accidental Release Measures

Personal Precautions: Avoid contact with skin, eyes and clothing and wear personal protective clothing.

Environmental Precautions: Should not be released to the environment. Contain any spilled liquids with absorbent to prevent migration.

Method for Containment and Clean Up: Absorb with liquid-binding material (sand, diatomite or universal binders). Use safety glasses, protective gloves and lab coat when handling spills.

Section 7 – Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Routine Biosafety and Universal Precautions should be strictly followed when using this detection buffer.

Storage: Follow the storage instructions on the package insert.

Section 8 – Exposure Control and Personal Protection

Engineering Controls: Ensure that eyewash station and safety shower are close to the workstation

Ventilation: General laboratory ventilation should be adequate

Respiratory Protection: No respiratory protection is required under normal conditions of use

Eye Protection: Chemical safety eyeglasses or goggles are recommended

Skin Protection: Appropriate gloves and lab coat should be worn to prevent skin and clothing contact

Exposure Limits: No information available

Section 9 – Physical and Chemical Properties

Characteristic	Proclin 300
Appearance	Colourless solution
Odour	No information available
pH	4.1
Boiling Point (°C)	189°C
Melting Point (°C)	-40°C
Vapor Pressure (mmHg)	No information available
Vapor Density	No information available
Specific Gravity	No information available
Evaporation Rate	No information available
Water Solubility	Soluble

Section 10 – Stability and Reactivity

Stability: Stable when stored at the recommended temperature

Conditions to Avoid: Avoid excess heat

Incompatibility: Refer to the information on package insert

Hazardous Decomposition or By-Products: Irritating fumes or toxic gases, such as carbon monoxide and carbon dioxide, could be produced

Hazardous Polymerisation: No hazardous polymerisation known

Section 11 – Toxicological Information

No information available

Section 12 – Ecological Information

The ecological effects of the components in this detection buffer have not been evaluated, but minimum or without adverse effects on the environment are expected. There is no aquatic toxicity data available at this time.

Section 13 – Disposal Considerations

Waste Disposal Method: Disposal must be made in accordance with applicable country, federal, state and local regulations. Used reagents and positive controls should be handled as biological waste.

Section 14 – Transport Information

Not a hazardous material for transportation.

NOT restricted as per IATA DRG 61st edition.

DOT Regulation:

Hazard Class: None

Land Transport ADR/RID (Cross-Border) ADR/RID CLASS: None

Maritime Transport IMDG:

IMDG Class: None

Air Transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: Product is Non-DG cargo under 2020 IATA Dangerous Goods Regulation 61st edition and all applicable carrier and governmental regulations

Transport/Additional Information: Not dangerous according to the above specifications

Section 14 Notes: The detection buffer is not regulated for transport

Section 15 – Regulatory Information

SARA 311/312 Hazard Categories: None

SARA 313 Reportable Ingredients: None

U.S. TSCA Inventory Status: Not applicable

CERCLA: None

California Proposition 65: This product does not contain any Proposition 65 chemicals

Canadian WHMIS Classification: None

Section 16 – Other Information

To the best of our knowledge, the information provided herein is accurate but does not purport to be all inclusive. It is intended to provide a general guidance in terms of safe handling, storage and disposal of materials. Woodley Equipment Company thus assumes no liabilities for any damage or loss resulting from handling or from contact with this product. Contact Woodley Equipment Company if additional information is needed.

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