

Safety Data Sheet

1. Identification of the preparation and of the supplying company:

Identification of the preparation: Genarrayt 200+ Food IgG Food antigen microarrayed slide

Manufacturer: Genesis Diagnostics Ltd, Henry Crabb Road, Littleport, Cambridgeshire, CB6 1SE UK .
Tel: +44 (0) 1353 862220; Fax: +44 (0) 1353 863330; E-mail: genesis@elisa.co.uk

2. Composition/information on ingredients:

Chemical characterisation: A modified glass slide arrayed with human IgG and extracts from 200+ foods

Hazardous ingredients: None

3. Hazards identification: No hazards known

4. First aid procedures: None

5. Fire fighting measures: No special procedures/media are required

6. Accidental release measures: Not applicable

7. Handling and storage:

Handling: Wash hands after use

Storage: Store at 2 – 8°C

8. Exposure controls/personal protection: Wear nitrile gloves

9. Physical and chemical properties: Clear, glass slide coated with nitrocellulose pads onto which human IgG and food extracts have been printed

10. Stability and reactivity: Stable at 2 –8°C until expiry date if unopened; once opened stable for 3 months if stored at 2 –8°C. No reactivity data.

11. Toxicological information: None known

12. Ecological information: None known

13. Disposal: Dispose as clinical waste

14. Transport Information:

CDG UK: Non-hazardous for road freight
IMDG: Non-hazardous for sea-freight
IATA: Non-hazardous for air-freight

15. Regulatory Information:

Labelling according to EC Directives:

Not classified as dangerous

16. Other information: 'Revision'

Revision date: 17th October 2011

Safety Data Sheet

1. Identification of the preparation and of the supplying company:

Identification of the preparation: Genarrayt 200+ Food IgG sample diluent

Manufacturer: Genesis Diagnostics Ltd, Henry Crabb Road, Littleport, Cambridgeshire, CB6 1SE UK Ltd.
Tel: +44 (0) 1353 862220; Fax: +44 (0) 1353 863330; E-mail: genesis@elisa.co.uk

2. Composition/information on ingredients:

Chemical characterisation: 10mM Tris-buffered saline containing a blocking agent and sodium azide @ 0.09%

Hazardous ingredients:

Sodium azide	@ 0.09%	Tris-buffered saline	10mM
CAS number:	026628 – 22 – 8		None
Symbol:	T+; N		Xi
R-phrases:	R28,32, 50/53		R36/37/38
S-phrases:	S 53-28-45-60-61		S26-36

3. Hazards identification: Not classified as dangerous according to EC Directives but contains hazardous components

4. First aid procedures:

Ingestion: Rinse mouth with water provided person is conscious

Skin: Wash thoroughly with soap and water. Wash contaminated clothing before re-use.

Eyes: Flush with copious amounts of water or eyewash saline for at least 15 minutes

Inhalation: Remove to fresh air; if not breathing, give artificial respiration

5. Fire fighting measures: No special procedures/media are required

6. Accidental release measures: Wear appropriate protective clothing. Cover with absorbent; wash area thoroughly.

7. Handling and storage:

Handling: *Wash hands after working with substance*

Storage: Store at 2 – 8°C

8. Exposure controls/personal protection: Wear latex or vinyl gloves, a laboratory coat during use and safety glasses

9. Physical and chemical properties: Liquid ; odourless

10. Stability and reactivity: Stable at 2 – 8°C until expiry date if unopened; once opened stable for 3 months if stored at 2 – 8°C. No reactivity data.

11. Toxicological information:

Short-term effects: In pure form, sodium azide is highly toxic and may be fatal if inhaled, swallowed, or absorbed through the skin. May cause eye and skin irritation. At product concentrations, sodium azide is not believed to cause hazardous short-term effects.

Long-term effects: In pure form, sodium azide is classified as a questionable carcinogen with experimental tumourigenic data. At product concentrations, there are no hazardous long-term effects documented.

Precautionary note: To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been thoroughly investigated at product concentrations.

12. Ecological information: Observe all federal, state and local environmental regulations. If the disposal of this solution is acceptable, flush with large volumes of water to prevent build-up of azides in plumbing.

13. Disposal: Observe all federal, state and local environmental regulations

14. Transport Information:

CDG UK: Non-hazardous for road freight
IMDG: Non-hazardous for sea-freight
IATA: Non-hazardous for air-freight

15. Regulatory Information:

Labelling according to EC Directives:

Contains 0.09% sodium azide

16. Other information:

'Revision'

Revision date: 17th October 2011

Safety Data Sheet

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1. Identification of the preparation and of the supplying company:

Identification of the preparation: Genarrayt 200+ Food IgG Wash buffer

Manufacturer: Genesis Diagnostics Ltd, Henry Crabb Road, Littleport, Cambridgeshire, CB6 1SE UK Ltd.
Tel: +44 (0) 1353 862220; Fax: +44 (0) 1353 863330; E-mail: genesis@elisa.co.uk

2. Composition/information on ingredients:

Chemical characterisation: 100mM Tris-buffered saline containing 0.3% Triton X-100

Hazardous ingredients:

Triton X-100	0.02%	Tris-buffered saline	10mM
CAS number:	9002-93-1		None
Symbol:	Xn		Xi
R phrases:	R21-41		R36/37/38
S phrases:	S23-26-36		S26-36

3. Hazards identification: Not classified as dangerous according to EC Directives but contains hazardous components

4. First aid procedures:

Ingestion: Wash out mouth with water provided person is conscious

Skin: Immediately wash skin with copious amounts of water

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes

Inhalation: Remove to fresh air. If not breathing give artificial respiration

5. Fire fighting measures: Water spray, carbon dioxide, dry chemical powder, or appropriate foam

6. Accidental release measures: Wear appropriate protective clothing. Cover with absorbent; wash area thoroughly.

7. Handling and storage:

Handling: *Wash hands after working with substance*

Storage: Store at 2 – 8°C; protect from light

8. Exposure controls/personal protection: Wear latex or vinyl gloves, a laboratory coat during use and safety glasses

9. Physical and chemical properties: Liquid, clear, odourless

10. Stability and reactivity: Stable at 2 –8°C until expiry date if unopened; once opened stable for 3 months if stored at 2 –8°C. No reactivity data.

11. Toxicological information: None known

12. Ecological information: No harmful effects at use concentration

13. Disposal: Normal disposal with copious amounts of water; observe all federal, state and local regulations

14. Transport Information:

CDG UK: Non-hazardous for road freight
IMDG: Non-hazardous for sea-freight
IATA: Non-hazardous for air-freight

15. Regulatory Information:

Labelling according to EC Directives:

Not classified as dangerous

16. Other information:

'Revision'

Revision date: 17th October 2011

Safety Data Sheet

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1. Identification of the preparation and of the supplying company:

Identification of the preparation: Genarrayt 200+ Food IgG Conjugate

Manufacturer: Genesis Diagnostics Ltd, Henry Crabb Road, Littleport, Cambridgeshire, CB6 1SE UK.
Tel: +44 (0) 1353 862220; Fax: +44 (0) 1353 863330; E-mail: genesis@elisa.co.uk

2. Composition/information on ingredients:

Chemical characterisation: Goat anti-human IgG conjugated to horseradish peroxidase in protein stabilising solution containing Proclin 300 @ 20ppm

Hazardous ingredients:

Proclin 300	20ppm	Tris-buffered saline	10mM
CAS number:	None		None
Symbol:	C		Xi
R-phrases:	R34 –R43		R36/37/38
S-phrases:	S26, S36/37/39, S45		S26-36

3. Hazards identification: Not classified as hazardous according to EC Directives but contains hazardous components

4. First aid procedures:

Ingestion: Rinse mouth with water, then drink 1 cup of water or milk to dilute.

Skin: Wash thoroughly with anti-microbial soap and water. Wash contaminated clothing before re-use.

Eyes: Flush with copious amounts of water or eyewash saline for at least 15 minutes

Inhalation: No special first aid measures; inhalation unlikely.

5. Fire fighting measures: No special procedures/media are required

6. Accidental release measures: Wear appropriate protective clothing. Cover with absorbent; wash area thoroughly.

7. Handling and storage:

Handling: *Wash hands after working with substance*

Storage: Store at 2 – 8°C

8. Exposure controls/personal protection: Wear latex or vinyl gloves, a laboratory coat during use and safety glasses

9. Physical and chemical properties: Liquid, red; odourless

Genarrayt 200+ Food IgG Conjugate

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10. Stability and reactivity: Stable at 2 –8°C until expiry date if unopened; once opened stable for 3 months if stored at 2 –8°C. No reactivity data.

11. Toxicological information: None known at use concentration

12. Ecological information: No harmful effects at use concentration

13. Disposal: Dispose as clinical waste

14. Transport Information:

CDG UK: Non-hazardous for road freight
IMDG: Non-hazardous for sea-freight
IATA: Non-hazardous for air-freight

15. Regulatory Information:

Labelling according to EC Directives:

Not classified as dangerous

16. Other information:

'Revision'

Revision date: 17th October 2011

Safety Data Sheet

1. Identification of the preparation and of the supplying company:

Identification of the preparation: Genarrayt 200+ TMB Substrate Solution

Manufacturer: Genesis Diagnostics Ltd, Henry Crabb Road, Littleport, Cambridgeshire, CB6 1SE UK Ltd.
Tel: +44 (0) 1353 862220; Fax: +44 (0) 1353 863330; E-mail: genesis@elisa.co.uk

2. Composition/information on ingredients:

Chemical characterisation: A mildly acidic aqueous solution of 3,3',5,5'-tetramethylbenzidine and hydrogen peroxidase

Hazardous ingredients:

3,3',5,5'-tetramethylbenzidine <0.05%	Hydrogen peroxide <0.02%
CAS number: 54827-17-7	7722-84-1
Symbol: Xi irritant	O oxidising
R-phrases: R36/37/38	R8; R34
S-phrases: S22-26-36	S53-17-26-45-36/37/39

3. Hazards identification: Irritating to eyes, respiratory system and skin. A mild oxidising agent. Toxological properties have not been thoroughly investigated.

4. First aid procedures:

Ingestion: Induce vomiting and consult a physician

Skin: Wash with soap and water. Wash contaminated clothing before re-use.

Eyes: Flush with copious amounts of water or eyewash saline for at least 15 minutes

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

5. Fire fighting measures: Water spray, carbon dioxide, dry chemical powder, or appropriate foam

6. Accidental release measures: Wear appropriate protective clothing. Cover with absorbent; wash area thoroughly.

7. Handling and storage:

Handling: *Wash hands after working with substance*

Storage: Store at 2 – 8°C; protect from light

8. Exposure controls/personal protection: Wear latex or vinyl gloves, a laboratory coat during use and safety glasses

9. Physical and chemical properties: Liquid, clear to light cast, odourless

10. Stability and reactivity: Stable at 2 –8°C until expiry date if unopened; once opened stable for 3 months if stored at 2 –8°C. No reactivity data.

11. Toxicological information: None known

12. Ecological information: No harmful effects at use concentration

13. Disposal: Normal disposal with copious amounts of water; observe all federal, state and local regulations

14. Transport Information:

CDG UK: Non-hazardous for road freight

IMDG: Non-hazardous for sea-freight

IATA: Non-hazardous for air-freight

15. Regulatory Information:

Labelling according to EC Directives:

Not classified as dangerous

Local regulations:

16. Other information:

'Revision'

Revision date: 17th October 2011