



## MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING

|                     |   |
|---------------------|---|
| <b>PRODUCT NAME</b> | <b>BioKits <i>F.A.S.T</i> Species Screening Kit</b>   |
| PRODUCT NUMBERS     | 502135B (Cow), 502137W (Pig), 502138U (Sheep), 502139S (Poultry), 502136Y (Horse), 502304E (Positive Control), 502187F (Accessory Pack) |
| Address/ Phone No   | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600                |

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### 2. INFORMATION ON COMPONENTS

|                         |   |
|-------------------------|---|
| CONTENTS                | A matched set of components of :<br>25 x Species Specific Immunosticks<br>25 x tubes Species Specific Enzyme Reagent<br>25 x tubes Colour Development Buffer<br><br>Provided with each kit:<br><i>F.A.S.T</i> Accessory pack containing -<br>1 x vial ABTS Concentrate<br>1 x vial Stop Solution<br><br>Optional:<br>1 x vial <i>F.A.S.T</i> Positive Control |
| CAS No                  | None assigned for the product   |
| EC No                   | None assigned for the product   |
| Use                     | For the qualitative determination of raw species content in meat/meat products by immunoassay.  |
| HAZARDOUS INGREDIENT(S) | Listed below for each component   |

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                       |  |
|-----------------------|--|
| <b>COMPONENT NAME</b> | <b>F.A.S.T Immunosticks</b>  |
| PRODUCT NUMBERS       | 502116F (Cow), 502118B (Pig), 502199Y (Sheep),<br>502120Q (Poultry), 502117D (Horse)                                     |
| Address/ Phone No     | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

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**2. INFORMATION ON COMPONENTS**

|          |  |
|----------|--|
| CONTENTS | 25 species specific coated immunosticks in phospho buffered saline   |
| CAS No   | None assigned for the component  |
| EC No    | None assigned for the component  |
| Use      | For the qualitative determination of raw species content in meat/meat products by immunoassay.<br>For professional use only. |

| HAZARDOUS INGREDIENT(S)           | CAS No     | Symbol | R Phrases |
|-----------------------------------|------------|--------|-----------|
| Di-Sodium hydrogen orthophosphate | 7558-79-4  |        |           |
| Sodium di-Hydrogen orthophosphate | 13472-35-0 |        |           |
| Sodium Chloride                   | 7647-14-5  |        |           |
| Thiomersal                        | 54-64-8    | T      |           |

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**3. HAZARDS IDENTIFICATION**

|                         |      |
|-------------------------|------|
| Risks                   | None |
| Special Risk Conditions | None |

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**4. FIRST-AID MEASURES**

|                           |  |
|---------------------------|--|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure   |
| Skin Contact              | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.             |
| Eye contact               | Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Ingestion                 | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink                                       |
| Further Medical treatment | Symptomatic treatment and supportive therapy as indicated.   |

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**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Oxidising agent                    | In case of fire do not breathe fumes  |
| Extinguishing Media                | In case of fire keep away from combustible materials, decomposes to form toxic gas                                |
| Fire fighting protective equipment | Use water spray, CO <sub>2</sub> dry chemical powder or appropriate foam. Wear self contained breathing apparatus |

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**6. ACCIDENTAL RELEASE MEASURES**

|                        |  |
|------------------------|--|
| Small spillages        | Ensure suitable personal protection during removal of spillages.<br>To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.  |

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**7. HANDLING AND STORAGE**

**Component Part:** F.A.S.T Immunosticks

HANDLING No precautions necessary  
STORAGE Store at 2-8°C

Storage Life Total storage life at recommended conditions 18 months

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#### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators Not applicable  
Eye protection Splash proof goggles or safety glasses  
Gloves Latex or other light weight gloves  
Other Lab coat

Occupational exposure limits None set

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

There are no unusual properties. Similar chemical properties as water

Form Liquid  
Colour Colourless  
Odour Odourless  
pH (Value) 7.2  
Boiling point (°C) Not Applicable  
Flash Point (°C) Not Applicable  
Flammable limits Not Applicable  
Auto Ignition Temperature (°C) Not Applicable  
Specific gravity 1.00

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#### 10. STABILITY & REACTIVITY

Stable Under advised storage conditions 18 months

Hazardous reactions Keep away from combustible materials  
Hazardous Decomposition On combustion decomposes to form toxic gas  
Products

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#### 11. TOXICOLOGICAL INFORMATION

Inhalation Unlikely route of exposure  
Skin contact Unlikely to cause harmful effects under recommended conditions of handling and use.  
The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product  
Eye contact Unlikely to cause harmful effects under recommended conditions of handling and use.  
May cause eye irritation. May cause inflammation of conjunctiva and cornea.  
Ingestion Unlikely to cause harmful effects under recommended conditions of handling and use  
Long term exposure Unlikely to cause harmful effects under recommended conditions of handling and use

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#### 12. ECOLOGICAL INFORMATION

No information available

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#### 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

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#### 14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

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#### 15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

**Component Part:*****F.A.S.T* Immunosticks**

R and S Phrases

In accordance with EU directive 88/379/EEC, it has been determined that the chemical constituents of this product are classified as having no significant hazard, due to the physical/chemical nature and/or concentrations of the ingredients present.

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**16. OTHER INFORMATION**

This section of data sheet relating to the *F.A.S.T* Immunosticks is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                        |  |
|------------------------|--|
| <b>COMPONENT NAME</b>  | <b>F.A.S.T Enzyme Reagent</b>  |
| <b>PRODUCT NUMBERS</b> | 502121N (Cow), 502123J (Pig), 502124G (Sheep),<br>502125E (Poultry), 502122L (Horse).                                    |
| Address/ Phone No      | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

**2. INFORMATION ON COMPONENTS**

|                                   |  |               |                  |
|-----------------------------------|--|---------------|------------------|
| <b>CONTENTS</b>                   | 25 tubes of species horse radish peroxidase conjugated antibody in phospho buffered saline, containing ANS (<0.05%) and thiomersal (<0.01%). |               |                  |
| CAS No                            | None assigned for the component  |               |                  |
| EC No                             | None assigned for the component  |               |                  |
| Use                               | For the qualitative determination of raw species content in meat/meat products by immunoassay.   |               |                  |
| <b>HAZARDOUS INGREDIENT(S)</b>    | <b>CAS No</b>  | <b>Symbol</b> | <b>R Phrases</b> |
| Di-Sodium hydrogen orthophosphate | 7558-79-4  |               |                  |
| Sodium di-Hydrogen orthophosphate | 13472-35-0   |               |                  |
| Sodium Chloride                   | 7647-14-5  |               |                  |
| Thiomersal                        | 54-64-8  | T             |                  |
| ANS                               | 28836-03-05  | Xi            | 36/37/38         |
| Gelatin                           | 9000-70-8  |               |                  |

**3. HAZARDS IDENTIFICATION**

|                         |                 |
|-------------------------|-----------------|
| Risks                   | None identified |
| Special Risk Conditions | None Identified |

**4. FIRST-AID MEASURES**

|                           |  |
|---------------------------|--|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure   |
| Skin Contact              | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.             |
| Eye contact               | Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Ingestion                 | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink                                       |
| Further Medical treatment | Symptomatic treatment and supportive therapy as indicated.   |

**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Use water spray, CO <sub>2</sub> , dry chemical powder or appropriate foam. |
| Fire fighting protective equipment |   |

**6. ACCIDENTAL RELEASE MEASURES**

|                        |   |
|------------------------|---|
| Small spillages        | Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.   |

**7. HANDLING AND STORAGE**

|                 |   |
|-----------------|---|
| <b>HANDLING</b> | Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink |
|-----------------|---|

**Component Part:** **F.A.S.T Enzyme Reagent**

STORAGE Store at 2-8°C  
Storage Life Total storage life at recommended conditions 18 months

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Respirators Not applicable  
Eye protection Splash proof goggles or safety glasses  
Gloves Latex or other light weight gloves  
Other Lab coat  
Occupational exposure limits None set

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

There are no unusual properties. Similar chemical properties as water  
Form Liquid  
Colour Amber  
Odour Odourless  
pH (Value) 7.2  
Boiling point (°C) Not Applicable  
Flash Point (°C) Not Applicable  
Flammable limits Not Applicable  
Auto Ignition Temperature (°C) Not Applicable  
Specific gravity 1.00

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**10. STABILITY & REACTIVITY**

Stable Under advised storage conditions 18 months  
Hazardous reactions None known  
Hazardous Decomposition Products Not applicable

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**11. TOXICOLOGICAL INFORMATION**

Inhalation Unlikely route of exposure  
Skin contact Unlikely to cause harmful effects under recommended conditions of handling and use.  
The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product  
Eye contact Unlikely to cause harmful effects under recommended conditions of handling and use.  
May cause eye irritation. May cause inflammation of conjunctiva and cornea.  
Ingestion Unlikely to cause harmful effects under recommended conditions of handling and use  
Long term exposure Unlikely to cause harmful effects under recommended conditions of handling and use

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**12 ECOLOGICAL INFORMATION**

No information available

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport

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**15. REGULATORY INFORMATION**

Not classified as Dangerous for Supply/Use

**Component Part:*****F.A.S.T* Enzyme Reagent**

R and S Phrases

In accordance with EU directive 88/379/EEC, it has been determined that the chemical constituents of this product are classified as having no significant hazard, due to the physical/chemical nature and/or concentrations of the ingredients present.

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**16. OTHER INFORMATION**

This part of the data sheet relating to the *F.A.S.T* Enzyme Reagent is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                       |  |
|-----------------------|--|
| <b>COMPONENT NAME</b> | <b>F.A.S.T Positive Control</b>  |
| PRODUCT NUMBERS       | 502304E  |
| Address/ Phone No     | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

**2. INFORMATION ON COMPONENTS**

|          |  |
|----------|--|
| CONTENTS | 1.8mL of species albumin extract in a phospho buffered saline, containing thiomersal (<0.01%)                                |
| CAS No   | None assigned for the component  |
| EC No    | None assigned for the component  |
| Use      | For the qualitative determination of raw species content in meat/meat products by immunoassay.<br>For professional use only. |

| HAZARDOUS INGREDIENT(S)           | CAS No     | Symbol | R Phrases |
|-----------------------------------|------------|--------|-----------|
| Di-Sodium Hydrogen Orthophosphate | 7558-79-4  |        |           |
| Sodium Di-Hydrogen Orthophosphate | 13472-35-0 |        |           |
| Sodium Chloride                   | 7647-14-5  |        |           |
| Thiomersal                        | 54-64-8    | T      |           |
| Tween 80                          | 9005-65-6  |        |           |

**3. HAZARDS IDENTIFICATION**

|                         |                 |
|-------------------------|-----------------|
| Risks                   | None identified |
| Special Risk Conditions | None Identified |

**4. FIRST-AID MEASURES**

|                           |   |
|---------------------------|---|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure  |
| Skin Contact              |   |
| Eye contact               |   |
| Ingestion                 | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention. Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Further Medical treatment | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink<br>Symptomatic treatment and supportive therapy as indicated.  |

**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Use water spray, CO <sub>2</sub> dry chemical powder or appropriate foam. |
| Fire fighting protective equipment |   |

**6. ACCIDENTAL RELEASE MEASURES**

|                        |  |
|------------------------|--|
| Small spillages        | Ensure suitable personal protection during removal of spillages.<br>To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.  |

**7. HANDLING AND STORAGE**

|          |   |
|----------|---|
| HANDLING | Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink |
| STORAGE  | Store at 2-8°C  |



**Component Part:****F.A.S.T Positive Control**

Storage Life

Total storage life at recommended conditions 12 months

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

|                              |  |
|------------------------------|--|
| Respirators                  | Not applicable                         |
| Eye protection               | Splash proof goggles or safety glasses |
| Gloves                       | Latex or other light weight gloves     |
| Other                        | Lab coat                               |
| Occupational exposure limits | None set                               |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                |  |
|--------------------------------|--|
|                                | There are no unusual properties. The product's characteristics are very similar to water |
| Form                           | Liquid   |
| Colour                         | Colourless   |
| Odour                          | Odourless  |
| pH (Value)                     | 7.2  |
| Boiling point (°C)             | 100  |
| Flash Point (°C)               | Not Applicable   |
| Flammable limits               | Not Applicable   |
| Auto Ignition Temperature (°C) | Not Applicable   |
| Specific gravity               | 1.0  |

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**10. STABILITY & REACTIVITY**

|                                  |  |
|----------------------------------|--|
| Stable                           | Under advised storage conditions 12 months |
| Hazardous reactions              | None known                                 |
| Hazardous Decomposition Products | Not applicable                             |

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**11. TOXICOLOGICAL INFORMATION**

|                    |   |
|--------------------|---|
| Inhalation         | Unlikely route of exposure  |
| Skin contact       | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product |
| Eye contact        | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>May cause eye irritation. May cause inflammation of conjunctiva and cornea.  |
| Ingestion          | Unlikely to cause harmful effects under recommended conditions of handling and use  |
| Long term exposure | Unlikely to cause harmful effects under recommended conditions of handling and use  |

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**12. ECOLOGICAL INFORMATION**

No information available

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport

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**15. REGULATORY INFORMATION**

Not classified as Dangerous for Supply/Use

**Component Part:**

***F.A.S.T* Positive Control**

R and S Phrases

In accordance with EU directive 88/379/EEC, it has been determined that the chemical constituents of this product are classified as having no significant hazard, due to the physical/chemical nature and/or concentrations of the ingredients present.

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**16. OTHER INFORMATION**

This part of the data sheet relating to the *F.A.S.T* Positive Control is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                       |  |
|-----------------------|--|
| <b>COMPONENT NAME</b> | <b>Colour Development Buffer</b>   |
| PRODUCT NUMBERS       | 502126C  |
| Address/ Phone No     | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

**2. INFORMATION ON COMPONENTS**

|          |  |
|----------|--|
| CONTENTS | 25 tubes of 0.8mL of citrate buffer.   |
| CAS No   | None assigned for the component  |
| EC No    | None assigned for the component  |
| Use      | For the qualitative determination of raw species content in meat/meat products by immunoassay.<br>For professional use only. |

| HAZARDOUS INGREDIENT(S) | CAS No    | Symbol | R Phrases |
|-------------------------|-----------|--------|-----------|
| Citric Acid             | 5949-29-1 | Xi     | 36/37/38  |
| Sodium Hydroxide        | 1310-73-2 | C      | 35        |
| Hydrogen Peroxide       | 7722-84-1 | Xi     | 36/38     |

**3. HAZARDS IDENTIFICATION**

|                         |                 |
|-------------------------|-----------------|
| Risks                   | None identified |
| Special Risk Conditions | None Identified |

**4. FIRST-AID MEASURES**

|                           |  |
|---------------------------|--|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure   |
| Skin Contact              | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.             |
| Eye contact               | Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Ingestion                 | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink                                       |
| Further Medical treatment | Symptomatic treatment and supportive therapy as indicated.   |

**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Use water spray, CO <sub>2</sub> dry chemical powder or appropriate foam. |
| Fire fighting protective equipment |   |

**6. ACCIDENTAL RELEASE MEASURES**

|                        |   |
|------------------------|---|
| Small spillages        | Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.   |

**7. HANDLING AND STORAGE**

|              |   |
|--------------|---|
| HANDLING     | Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink |
| STORAGE      | Store at 2-8°C  |
| Storage Life | Total storage life at recommended conditions 18 months  |

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Component Part: Colour Development Buffer**

|                              |  |
|------------------------------|--|
| Respirators                  | Not applicable                         |
| Eye protection               | Splash proof goggles or safety glasses |
| Gloves                       | Latex or other light weight gloves     |
| Other                        | Lab coat                               |
| Occupational exposure limits | None set                               |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                |  |
|--------------------------------|--|
|                                | There are no unusual properties. The product's characteristics are very similar to water |
| Form                           | Liquid   |
| Colour                         | Colourless   |
| Odour                          | None   |
| pH (Value)                     | 4.0  |
| Boiling point (°C)             | 100  |
| Flash Point (°C)               | Not Applicable   |
| Flammable limits               | Not Applicable   |
| Auto Ignition Temperature (°C) | Not Applicable   |
| Specific gravity               | Not Applicable   |

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**10. STABILITY & REACTIVITY**

|                                  |  |
|----------------------------------|--|
| Stable                           | Under advised storage conditions 18 months |
| Hazardous reactions              | None known                                 |
| Hazardous Decomposition Products | Not applicable                             |

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**11. TOXICOLOGICAL INFORMATION**

|                    |   |
|--------------------|---|
| Inhalation         | Unlikely route of exposure  |
| Skin contact       | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product |
| Eye contact        | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>May cause eye irritation. May cause inflammation of conjunctiva and cornea.  |
| Ingestion          | Unlikely to cause harmful effects under recommended conditions of handling and use  |
| Long term exposure | Unlikely to cause harmful effects under recommended conditions of handling and use  |

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**12. ECOLOGICAL INFORMATION**

No information available

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport

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**15. REGULATORY INFORMATION**

Not classified as Dangerous for Supply/Use

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**16. OTHER INFORMATION**

This part of the data sheet relating to the Colour Development Buffer is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                       |  |
|-----------------------|--|
| <b>COMPONENT NAME</b> | <b>ABTS Concentrate</b>  |
| PRODUCT NUMBERS       | 502178G  |
| Address/ Phone No     | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

**2. INFORMATION ON COMPONENTS**

|          |  |  |  |
|----------|--|--|--|
| CONTENTS | 1.6mL of an aqueous solution containing <25% ABTS  |  |  |
| CAS No   | None assigned for the component  |  |  |
| EC No    | None assigned for the component  |  |  |
| Use      | For the qualitative determination of raw species content in meat/meat products by immunoassay.<br>For professional use only. |  |  |

| HAZARDOUS INGREDIENT(S) | CAS No     | Symbol | R Phrases |
|-------------------------|------------|--------|-----------|
| ABTS                    | 30931-67-0 | Xi     | 36/37/38  |

**3. HAZARDS IDENTIFICATION**

|                         |                                      |
|-------------------------|--------------------------------------|
| Risks                   | R36/38 – Irritating to eyes and skin |
| Special Risk Conditions | None Identified                      |

**4. FIRST-AID MEASURES**

|                           |   |
|---------------------------|---|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure  |
| Skin Contact              |   |
| Eye contact               | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.<br>Remove any contact lenses. Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Ingestion                 | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink  |
| Further Medical treatment | Symptomatic treatment and supportive therapy as indicated.  |

**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Use water spray, CO <sub>2</sub> dry chemical powder or appropriate foam. |
| Fire fighting protective equipment |   |

**6. ACCIDENTAL RELEASE MEASURES**

|                        |  |
|------------------------|--|
| Small spillages        | Ensure suitable personal protection during removal of spillages.<br>To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.  |

**7. HANDLING AND STORAGE**

|              |   |
|--------------|---|
| HANDLING     | Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink |
| STORAGE      | Store at 2-8°C  |
| Storage Life | Total storage life at recommended conditions 36 months  |

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Component Part:****F.A.S.T Accessory Pack – ABTS Concentrate**

|                              |  |
|------------------------------|--|
| Respirators                  | Not applicable                         |
| Eye protection               | Splash proof goggles or safety glasses |
| Gloves                       | Latex or other light weight gloves     |
| Other                        | Lab coat                               |
| Occupational exposure limits | None set                               |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                |                              |
|--------------------------------|------------------------------|
| Form                           | This is an aqueous solution. |
| Colour                         | Liquid                       |
| Odour                          | Pale green                   |
| pH (Value)                     | None                         |
| Boiling point (°C)             | 7.0                          |
| Flash Point (°C)               | 100                          |
| Flammable limits               | Not Applicable               |
| Auto Ignition Temperature (°C) | Not Applicable               |
| Specific gravity               | Not Applicable               |
|                                | 1.0                          |

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**10. STABILITY & REACTIVITY**

|                                  |  |
|----------------------------------|--|
| Stable                           | Under advised storage conditions 36 months |
| Hazardous reactions              | None known                                 |
| Hazardous Decomposition Products | Not applicable                             |

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**11. TOXICOLOGICAL INFORMATION**

|                    |   |
|--------------------|---|
| Inhalation         | Unlikely route of exposure  |
| Skin contact       | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product |
| Eye contact        | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>May cause eye irritation. May cause inflammation of conjunctiva and cornea.  |
| Ingestion          | Unlikely to cause harmful effects under recommended conditions of handling and use  |
| Long term exposure | Unlikely to cause harmful effects under recommended conditions of handling and use  |

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**12. ECOLOGICAL INFORMATION**

No information available. The products of degradation are less toxic than the material itself.

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport in current form

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**15. REGULATORY INFORMATION**

|                 |   |
|-----------------|---|
| R and S Phrases | Not classified as Dangerous for Supply/Use in current quantities<br>In accordance with EU directive 88/379/EEC, it has been determined that the chemical constituents of this product are classified as having no significant hazard, due to the physical/chemical nature and/or concentrations of the ingredients present. |
|-----------------|---|

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**16. OTHER INFORMATION**

**Component Part:**

***F.A.S.T* Accessory Pack – ABTS Concentrate**

This part of the data sheet relating to the ABTS Concentrate is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING**

|                       |  |
|-----------------------|--|
| <b>COMPONENT NAME</b> | <b>Stop Solution</b>   |
| PRODUCT NUMBERS       | 502177J  |
| Address/ Phone No     | Neogen Europe Ltd<br>The Dairy School<br>Auchincruive<br>Ayr<br>UNITED KINGDOM, KA6 5HW<br>Telephone +44 (0) 1292 525600 |

**2. INFORMATION ON COMPONENTS**

|                         |  |        |              |
|-------------------------|--|--------|--------------|
| CONTENTS                | 7.0mL of aqueous solution containing <25% Sodium Fluoride  |        |              |
| CAS No                  | None assigned for the component  |        |              |
| EC No                   | None assigned for the component  |        |              |
| Use                     | For the qualitative determination of raw species content in meat/meat products by immunoassay.<br>For professional use only. |        |              |
| HAZARDOUS INGREDIENT(S) | CAS No   | Symbol | R Phrases    |
| Sodium Fluoride         | 7681-49-4  | T      | R25/32/36/38 |

**3. HAZARDS IDENTIFICATION**

|                         |   |
|-------------------------|---|
| Risks                   | Toxic if swallowed. Irritating to eyes and skin.<br>Contact with acids liberates very toxic gas. Moisture sensitive |
| Special Risk Conditions | None Identified   |

**4. FIRST-AID MEASURES**

|                           |  |
|---------------------------|--|
| Inhalation                | Remove to fresh air and keep at rest. Unlikely route of exposure   |
| Skin Contact              |  |
| Eye contact               | Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.<br>Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention. |
| Ingestion                 | If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink   |
| Further Medical treatment | Symptomatic treatment and supportive therapy as indicated.   |

**5. FIRE FIGHTING MEASURES**

|                                    |   |
|------------------------------------|---|
| Extinguishing Media                | Use water spray, CO <sub>2</sub> dry chemical powder or appropriate foam. |
| Fire fighting protective equipment |   |

**6. ACCIDENTAL RELEASE MEASURES**

|                        |  |
|------------------------|--|
| Small spillages        | Ensure suitable personal protection during removal of spillages.<br>To clean the floor and all objects contaminated with this component use water. |
| Spill treatment method | Not applicable.  |

**7. HANDLING AND STORAGE**

|              |   |
|--------------|---|
| HANDLING     | Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink |
| STORAGE      |   |
| Storage Life | Total storage life 36 months.   |



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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

|                                    |  |
|------------------------------------|--|
| Respirators                        | Not applicable though may be used if vapours are irritant. |
| Eye protection                     | Splash proof goggles or safety glasses                     |
| Gloves                             | Latex or other light weight gloves                         |
| Other                              | Lab coat   |
| Occupational exposure limits (M2P) | 2.5mg/m <sup>3</sup> TWA (for pure substance)              |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                |                                  |
|--------------------------------|----------------------------------|
|                                | There are no unusual properties. |
| Form                           | Liquid                           |
| Colour                         | Colourless                       |
| Odour                          | None                             |
| pH (Value)                     | 7.4                              |
| Boiling point (°C)             | Not Applicable                   |
| Flash Point (°C)               | Not Applicable                   |
| Flammable limits               | Not Applicable                   |
| Auto Ignition Temperature (°C) | Not Applicable                   |
| Specific gravity               | 1.0                              |

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**10. STABILITY & REACTIVITY**

|                                  |   |
|----------------------------------|---|
| Stable                           | Under advised storage conditions 36 months. |
| Hazardous reactions              | None known                                  |
| Hazardous Decomposition Products | Not applicable                              |

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**11. TOXICOLOGICAL INFORMATION**

|                    |   |
|--------------------|---|
| Inhalation         | Unlikely route of exposure  |
| Skin contact       | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product |
| Eye contact        | Unlikely to cause harmful effects under recommended conditions of handling and use.<br>May cause eye irritation. May cause inflammation of conjunctiva and cornea.  |
| Ingestion          | Unlikely to cause harmful effects under recommended conditions of handling and use  |
| Long term exposure | Unlikely to cause harmful effects under recommended conditions of handling and use  |

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**12. ECOLOGICAL INFORMATION**

No information available

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**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport

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**15. REGULATORY INFORMATION**

|                 |   |
|-----------------|---|
|                 | Not classified as Dangerous for Supply/Use  |
| R and S Phrases | In accordance with EU directive 88/379/EEC, it has been determined that the chemical constituents of this product are classified as having no significant hazard, due to the physical/chemical nature and/or concentrations of the ingredients present. |

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**16. OTHER INFORMATION**

**Component Part:**

***F.A.S.T* Accessory Packs – Stop Solution**

This part of the data sheet relating to the Stop Solution is prepared in accordance with Directive 91/155/EEC (93/112/EC).

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