

## MATERIAL SAFETY DATA SHEET

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

<b>PRODUCT NAME</b>	<b><i>BIOKITS F.A.S.T</i> Species Screening Kit</b>
PRODUCT NUMBERS	502135B (Cow), 502137W (Pig), 502138U (Sheep), 502139S (Poultry), 502304E (Positive Control), 502187F (Accessory Pack)
Address/ Phone No	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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### 2. INFORMATION ON COMPONENTS

CONTENTS	A matched set of components of : 25 x Species Specific Immunosticks 25 x tubes Species Specific Enzyme Reagent 25 x tubes Colour Development Buffer  Provided with each kit: <i>F.A.S.T</i> Accessory pack containing - 1 x vial ABTS Concentrate 1 x vial Stop Solution  Optional: 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

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

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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), 502120Q (Poultry), 502117D (Horse)
Address/ Phone No	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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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. 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. 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**

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 Products	On combustion decomposes to form toxic gas

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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**

R and S Phrases

Not classified as Dangerous for Supply/Use  
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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Component Part:

**F.A.S.T Enzyme Reagent**

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

<b>COMPONENT NAME</b>	<b>F.A.S.T Enzyme Reagent</b>
PRODUCT NUMBERS	502121N (Cow), 502123J (Pig), 502124G (Sheep), 502125E (Poultry), 502122L (Horse).
Address/ Phone No	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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### 2. INFORMATION ON COMPONENTS

CONTENTS	25 tubes of species horse radish peroxidase conjugated antibody in phospho buffered saline, containing ANS (<0.05%) and thiomersal (<0.01%).
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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.

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	
ANS	28836-03-05	Xi	36/37/38
Gelatin	9000-70-8		

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### 3. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

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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

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

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**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

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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**

	The 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**

R and S Phrases

Not classified as Dangerous for Supply/Use  
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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Component Part:

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

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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	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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### 2. INFORMATION ON COMPONENTS

CONTENTS	1.8mL of species albumin extract in a phospho buffered saline, containing thiomersal (<0.01%)
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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. 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		

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### 3. HAZARDS IDENTIFICATION

Risks	None identified
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Special Risk Conditions	None Identified
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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

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

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### 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 12 months

**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

**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

**10. STABILITY & REACTIVITY**

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

**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

**12. ECOLOGICAL INFORMATION**

No information available

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

Not classified as Dangerous for Transport

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**15. REGULATORY INFORMATION**

R and S Phrases

Not classified as Dangerous for Supply/Use  
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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Component Part:

Colour Development Buffer

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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	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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## 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. 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

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## 3. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

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## 4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Skin Contact	
Eye contact	
Ingestion	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 Symptomatic treatment and supportive therapy as indicated.

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## 5. FIRE FIGHTING MEASURES

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

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## 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

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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	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. 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

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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.

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

<b>COMPONENT NAME</b>	<b>ABTS Concentrate</b>
PRODUCT NUMBERS	502178G
Address/ Phone No	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

**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. 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. 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. 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

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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**

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. 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. 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  
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 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	Tepnel <i>BioSystems</i> Ltd 1 Newtech Square Deeside Industrial Park Flintshire UNITED KINGDOM, CH5 2NT Telephone +44 (0) 1244 280202

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**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. For professional use only.

HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
Sodium Fluoride	7681-49-4	T	R25/32/36/38

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**3. HAZARDS IDENTIFICATION**

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

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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**

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

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**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.

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**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 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. 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
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 Stop Solution 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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