



**PRODUCT NAME**      MICROIMMUNE MEASLES IgM CAPTURE EIA KIT

**PRODUCT CODE**      MEVM010

<b>SUPPLIER</b>	Clin-Tech	Telephone	+44 (0)1483 302007
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane		
	Guildford	Email	info@clin-tech.co.uk
	GU4 7BN	Website	www.clin-tech.co.uk
	UK		

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## COMPOSITION

Description	Part Code	Contents
Microtitre plate in pouch	2103	1
Serum Diluent	2040	100 mL
Positive Control	2122	1.4 mL
Negative Control	2124	2 × 1.9 mL
Antigen	2126	12 mL
Conjugate	2125	12 mL
TMB Substrate	2030	13 mL
Stop Solution	2031	14 mL

The SDS for each reagent is presented separately

Safety Data Sheet

According to regulation (EC) # 1907/2006

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY****PRODUCT NAME** ANTIBODY-COATED MICROTITRE PLATES**PRODUCT CODE** 2109 / 2103

<b>SUPPLIER</b>	Clin-Tech	Telephone	+44 (0)1483 302007
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	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN, UK	Website	www.clin-tech.co.uk

**2. HAZARDS IDENTIFICATION**CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Not a dangerous substance according to GHS.

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

No symbols required

Hazard statement(s)

None required

Precautionary statement(s)

None required

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Name	EC #	CAS #	Content	Classification
POLYSTYRENE MICROTITRE PLATES	-	-	-	N/A

**4. FIRST-AID MEASURES**INHALATION

If dessicated coating becomes detached as dust and is inhaled, move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if symptoms occur.

INGESTION

If dessicated coating becomes detached and is ingested, do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention if symptoms occur.

SKIN CONTACT

If dessicated coating becomes detached and comes into contact with skin, remove any contaminated clothes and rinse skin thoroughly with water. Get medical attention if symptoms occur.

#### EYE CONTACT

If dessicated coating becomes detached as dust and enters the eye, make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

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### **5. FIRE-FIGHTING MEASURES**

#### EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

#### PROTECTIVE MEASURES IN FIRE

Use: Protective measures appropriate for surrounding materials.

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### **6. ACCIDENTAL RELEASE MEASURES**

#### PERSONAL PRECAUTIONS

If dessicated coating becomes detached as dust, wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing dust. Ensure adequate ventilation.

#### ENVIRONMENTAL PRECAUTIONS

If dessicated coating becomes detached as dust, do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

#### SPILL CLEAN-UP METHODS

If dessicated coating becomes detached as dust, avoid raising further dust. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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### **7. HANDLING & STORAGE**

#### USAGE PRECAUTIONS

Provide adequate exhaust function where dust is likely.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

#### STORAGE CLASS

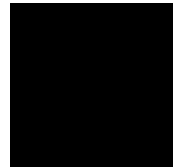
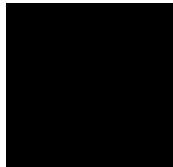
Chemical storage.

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENTHAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE

Plastic microtitre plate

ODOUR

None

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**10. STABILITY AND REACTIVITY**STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Moisture

INCOMPATIBLE MATERIALS

Organic solvents

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, Nitrogen oxides.

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**11. TOXICOLOGICAL INFORMATION**INHALATION

Dust may be harmful if inhaled. Dust may cause respiratory tract irritation.

INGESTION

Dust may be harmful if swallowed.



#### SKIN CONTACT

Dust may be harmful if absorbed through skin. Dust may cause skin irritation.

#### EYE CONTACT

Dust may cause eye irritation.

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### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

Not regarded as dangerous for the environment.

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### 13. DISPOSAL CONSIDERATIONS

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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### 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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### 15. REGULATORY INFORMATION

#### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

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### 16. OTHER INFORMATION

These plates are packaged in airtight foil pouches including a silica gel dessicant sachet. This sachet should not be considered part of the product and should be disposed of as packaging in line with local regulations.

#### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

#### REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
Comments	Reformatting
Replaces Document Generated	Original Document

#### HAZARD STATEMENTS IN FULL

N/A



Safety Data Sheet

According to regulation (EC) # 1907/2006

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME SERUM DILUENT

PRODUCT CODE 20040 / 2040

<u>SUPPLIER</u>	Clin-Tech	Telephone	+44 (0)1483 302007
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	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN, UK	Website	www.clin-tech.co.uk

## 2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Not a dangerous substance according to GHS.

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

No symbols required

Hazard statement(s)

None required

Precautionary statement(s)

None required

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
5-BROMO-5-NITRO-1,3-DIOXANE	250-001-7	30007-47-7	<0.1%	Acute Tox. 4, Skin Irrit. 2 H302 H315
ALLURA RED AC [CI 16035]	247-368-0	25956-17-6	0-1%	
Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate				
CASEINS	232-555-1	9000-71-9	<10%	
SODIUM CHLORIDE	231-598-3	7647-14-5	5-10%	
DISODIUM HYDROGEN o-PHOSPHATE	231-448-7	7558-79-4	1-5%	
POTASSIUM DIHYDROGEN o-PHOSPHATE	231-913-4	7778-77-0	0-1%	
TWEEN-20	500-018-3	9005-64-5	<0.1%	

## 4. FIRST-AID MEASURES

### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if symptoms occur.

INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention if symptoms occur.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if symptoms occur.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

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**5. FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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**6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing mist / aerosols. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

SPILL CLEAN-UP METHODS

Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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**7. HANDLING & STORAGE**USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Chemical storage.

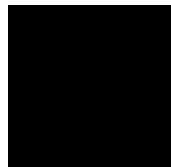
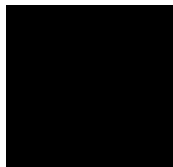
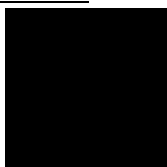
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Pale Red liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
BOILING POINT	~ 101 °C
SPECIFIC GRAVITY	~ 1.01 – 1.05

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## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Moisture

### INCOMPATIBLE MATERIALS

Strong oxidising agents





HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, Nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

EYE CONTACT

May cause eye irritation.

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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## 15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.

Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.



REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
Comments	Reformatting
Replaces Document Generated	Original Document

HAZARD STATEMENTS IN FULL

H302	Harmful if swallowed
H315	Causes skin irritation



2157, 2159, 2120, 2129, 2141, 2142, 2122, 2124

Control Sera  
Revision 02 – Date 07/2016

Safety Data Sheet

According to regulation (EC) # 1907/2006

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY**

**PRODUCT NAME**      CONTROL SERA  
For Measles / Mumps / Rubella EIAs.

**PRODUCT CODE**      2157, 2159, 2120, 2129, 2141, 2142, 2122, 2124

<b>SUPPLIER</b>	Clin-Tech	UK
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	Merrow Lane	Fax +44 (0)1483 301907
	Guildford, Surrey	
	GU4 7BN, UK	Email info@clin-tech.co.uk
		Website www.clin-tech.co.uk

**2. HAZARDS IDENTIFICATION**

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Not a dangerous substance according to GHS.

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

No symbols required

Hazard statement(s)

None required

Precautionary statement(s)

None required

***CONTINUED OVERLEAF***

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Name	EC #	CAS #	Content	Classification
5-BROMO-5-NITRO-1,3-DIOXANE	250-001-7	30007-47-7	<0.1%	Acute Tox. 4, Skin Irrit. 2 H302 H315
HUMAN BLOOD SERA	-	-	<0.5%	All blood-derived products should be treated as potentially infectious. The donations used in these products are not sterilised and may be capable of transmitting any biological agent that has not been detected by routine screening at the time of donation.
ALLURA RED AC	247-368-0	25956-17-6	0-1%	
Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate				
CASEINS	232-555-1	9000-71-9	<10%	
SODIUM CHLORIDE	231-598-3	7647-14-5	5-10%	
DISODIUM HYDROGEN o-PHOSPHATE	231-448-7	7558-79-4	1-5%	

POTASSIUM DIHYDROGEN o-PHOSPHATE	231-913-4	7778-77-0	0-1%	
TWEEN-20	500-018-3	9005-64-5	<0.1%	

#### 4. FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if symptoms occur.

##### INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention if symptoms occur.

##### SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if symptoms occur.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

#### 5. FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

##### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing mist / aerosols. Ensure adequate ventilation.

##### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

##### SPILL CLEAN-UP METHODS

Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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## 7. HANDLING & STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

### STORAGE CLASS

Chemical storage.

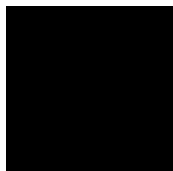
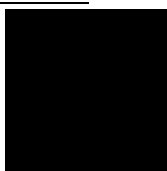
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Pale Red liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
BOILING POINT	~ 101 °C
SPECIFIC GRAVITY	~ 1.01 – 1.05

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## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Moisture

### INCOMPATIBLE MATERIALS

Strong oxidising agents

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, Nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

### INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

### EYE CONTACT

May cause eye irritation.

### OTHER CONSIDERATIONS

All blood-derived products should be treated as potentially infectious. The donations used in these products are not sterilised and may be capable of transmitting any biological agent that has not been detected by routine screening at the time of donation.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

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## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
Comments	Reformatting
Replaces Document Generated	Original Document

### HAZARD STATEMENTS IN FULL

H302	Harmful if swallowed
H315	Causes skin irritation

Safety Data Sheet

According to regulation (EC) # 1907/2006

# 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

**PRODUCT NAME** ANTIGEN, MEASLES IgM CAPTURE EIA

**PRODUCT CODE** 20126 / 2126

<b>SUPPLIER</b>	Clin-Tech	Telephone	+44 (0)1483 302007
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane		
	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN, UK	Website	www.clin-tech.co.uk

## 2. HAZARDS IDENTIFICATION

**CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]**

Not a dangerous substance according to GHS.

**LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]**

No symbols required

**Hazard statement(s)**

None required

**Precautionary statement(s)**

None required

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
5-BROMO-5-NITRO-1,3-DIOXANE	250-001-7	30007-47-7	<0.1%	Acute Tox. 4, Skin Irrit. 2 H302 H315
BOVINE SERUM ALBUMIN	232-936-2	9048-46-8	5-10%	Acute Tox. 4 H302
TARTRAZINE	217-699-5	1934-21-0	0-1%	Resp. Sens. 1, Skin Sens. 1 H317 H334
Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate				
BRILLIANT BLUE FCF	223-339-8	3844-45-9	0-1%	
Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt				
POTASSIUM DIHYDROGEN o-PHOSPHATE	231-913-4	7778-77-0	0-1%	
DISODIUM HYDROGEN o-PHOSPHATE	231-448-7	7558-79-4	1-5%	
SODIUM CHLORIDE	231-598-3	7647-14-5	5-10%	



RECOMBINANT MEASLES NUCLEAR PROTEIN			0-1%	
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#### 4. FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if symptoms occur.

##### INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention if symptoms occur.

##### SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if symptoms occur.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

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#### 5. FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

##### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing mist / aerosols. Ensure adequate ventilation.

##### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

##### SPILL CLEAN-UP METHODS

Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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## 7. HANDLING & STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

### STORAGE CLASS

Chemical storage.

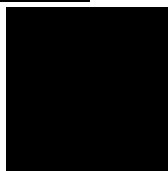
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Green liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
BOILING POINT	~ 101 °C
SPECIFIC GRAVITY	~ 1.01 – 1.05

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## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Moisture

### INCOMPATIBLE MATERIALS

Strong oxidising agents

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, Nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

### INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

### EYE CONTACT

May cause eye irritation.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

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## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.

Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
Comments	Reformatting
Replaces Document Generated	Original Document

### HAZARD STATEMENTS IN FULL

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled



Safety Data Sheet

20030 / 2030  
TMB Substrate  
Revision 02 – Date 07/2016

According to regulation (EC) # 1907/2006

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

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### **5. FIRE-FIGHTING MEASURES**

#### EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

#### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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### **6. ACCIDENTAL RELEASE MEASURES**

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing mist / aerosols. Ensure adequate ventilation.

#### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

#### SPILL CLEAN-UP METHODS

Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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### **7. HANDLING & STORAGE**

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

#### STORAGE CLASS

Chemical storage.

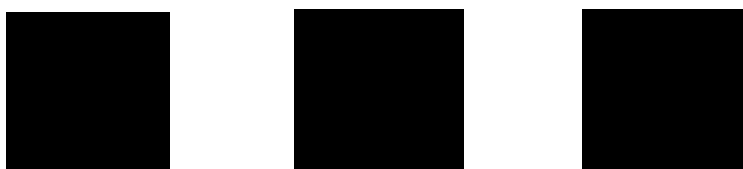
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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

#### PROTECTIVE EQUIPMENT



**HAND PROTECTION**

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved, tight-fitting safety glasses where splashing is probable.

**RESPIRATORY EQUIPMENT**

Self-contained breathing apparatus where aerosols are likely.

**OTHER PROTECTION**

Provide eyewash station.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Pale Yellow - Colourless liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
SPECIFIC GRAVITY	~ 1.01
pH	3.3 – 3.8

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**10. STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Moisture

**INCOMPATIBLE MATERIALS**

Strong oxidisers, Metals

**HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon oxides, Nitrogen oxides.

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**11. TOXICOLOGICAL INFORMATION****INHALATION**

May be harmful if inhaled. May cause respiratory tract irritation.

**INGESTION**

May be harmful if swallowed.

**SKIN CONTACT**

May be harmful if absorbed through skin. May cause skin irritation.



EYE CONTACT

May cause eye irritation.

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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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## 15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
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HAZARD STATEMENTS IN FULL

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation



## Safety Data Sheet

According to regulation (EC) # 1907/2006

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY**

PRODUCT NAME STOP SOLUTION  
0.5M Hydrochloric Acid

PRODUCT CODE 20031 / 2031

<u>SUPPLIER</u>	Clin-Tech	Telephone	+44 (0)1483 302007
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane		
	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN, UK	Website	www.clin-tech.co.uk

**2. HAZARDS IDENTIFICATION**

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Corrosive to metals (Category 1) H290

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

DANGER



Hazard statement(s)

H290 May be corrosive to metals

Precautionary statement(s)

None required

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Name	EC #	CAS #	Content	Classification
HYDROCHLORIC ACID	231-595-7	7647-01-0	1-3%	Skin Corr. 1B; STOT SE 3 H314 H335

**4. FIRST-AID MEASURES**INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if symptoms occur.

INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention if symptoms occur.

**SKIN CONTACT**

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if symptoms occur.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

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**5. FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Use: Firefighting media appropriate for surrounding materials.

**PROTECTIVE MEASURES IN FIRE**

Self-contained breathing apparatus if necessary.

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**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing mist / aerosols. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

**SPILL CLEAN-UP METHODS**

Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

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**7. HANDLING & STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Provide adequate exhaust function where aerosols are likely.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a cool, dry well-ventilated place.

**STORAGE CLASS**

Chemical storage.

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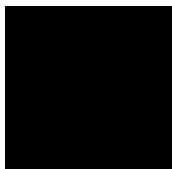
**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Name	Std	8h TWA		STEL	
HYDROCHLORIC ACID	WEL	1 ppm		5 ppm	

*WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.*

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENTHAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Colourless liquid
ODOUR	None
SOLUBILITY / MISCIBLE WITH	Water, ethanol
SPECIFIC GRAVITY	~ 1.01

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**10. STABILITY AND REACTIVITY**STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Moisture

INCOMPATIBLE MATERIALS

Metals

HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

## 11. TOXICOLOGICAL INFORMATION

### INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

### EYE CONTACT

May cause eye irritation.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

## 13. DISPOSAL CONSIDERATIONS

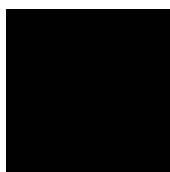
### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	1789	8	III	Hydrochloric Acid
<u>IATA</u>	1789	8	III	Hydrochloric Acid
<u>IMDG</u>	1789	8	III	Hydrochloric Acid

### SIGNAGE



### ENVIRONMENTAL HAZARDS

RID / ADR	No
IATA	No
IMDG	No

## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	02
Revision Date	07/2016
Comments	Reformatting
Replaces Document Generated	Original Document

HAZARD STATEMENTS IN FULL

H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H290	May be corrosive to metals