

## Safety Data Sheet

### Kit summary

Following components used as mixtures in the kit are defined as hazardous chemical according to the Regulation (EC) N° 1272/2008.

Component	Identification	Classification	Hazard class Pictograms (pure ingredient)	% weight	Hazard Statements
5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H - isothiazol-3-one	CAS : 55965-84-9 EC: -	H330 Cat 2 H310 Cat 2 H301 Cat 3 H314 Cat 1C H318 Cat 1 H317 Cat 1A H400 Cat 1 H410 Cat 1	GHS06 GHS05 GHS09	< 0.005 %	H317 Cat 1
Maleic Acid	CAS : 110-16-7 EC: 203-742-5	H302 Cat 4 H315 Cat 2 H319 Cat 2 H317 Cat 1 H335 Cat 3	GHS07	≤0.4%	H317 Cat 1
2-methyl-2-amino-1-propanol	CAS : 124-68-5 EC: 204-709-8	H315 Cat 2 H319 Cat 2 H412 Cat 3	GHS07	≤1%	H315 Cat 2 H319 Cat 2 H412 Cat 3

### Section 1 – Identification

Product Identification: **ELISpot Kit Discovery: 1x96 tests and 2x96 tests**

Product Code: **Cat- n° 856.xxx.001PC / 862.xxx.001PC / 867.xxx.001PC**  
**Cat- n° 856.xxx.002PC / 862.xxx.002PC / 867.xxx.002PC**

Product Application: **For Research Use Only**

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### Section 2 – Hazard Identification

#### 2.1 Classification of the Substance or Mixture

##### GHS classification

Skin Sens.1 H317  
 Eye Irrit.2 H319  
 Aquatic Chronic.3 H412

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Hazard pictograms:



GHS07

**Signal word:** Warning

**Hazard statements:**

- H317 May cause an allergic skin reaction
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H412: Harmful to aquatic life with long lasting effects

**Precautionary Statements:**

- P261: Avoid breathing mist or vapours.
- P264: Wash hands thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves, protective clothing, and eye/face protection.



**Response:**

- P302+P352: IF ON SKIN: Wash with plenty of water
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P337+ P313: IF eye irritation persists: Get medical advice/attention.
- P321: Specific treatment (see section 4 on this SDS).
- P363: Wash contaminated clothing before reuse.

Component	Contains	Identification	Classification	Hazard class Pictograms (pure ingredient)	% weight	Hazard Statements
Pre-coated Plate	-	-	-	NA	-	-
Biotinylated Detection Antibody	Proclin 300	Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one CAS : 55965-84-9 EC: -	H330 Cat 2 H310 Cat 2 H301 Cat 3 H314 Cat 1C H318 Cat 1 H317 Cat 1A H400 Cat 1 H410 Cat 1	GHS06 GHS05 GHS09	< 0.005 %	H317 Cat 1
	Modified Alkyl Glycol	-	H413 Cat 4	-	< 0.01%	No hazardous at this concentration
Streptavidin-AP	-	-	-	NA	-	-
BSA	-	-	-	NA	-	-
Ready to use BCIP/NBT substrate buffer	2-methyl-2-amino-1propanol	CAS : 124-68-5 EC: 204-709-8	H315 Cat 2 H319 Cat 2 H412 Cat 3	GHS07	≤1%	H315 Cat 2 H319 Cat 2 H412 Cat 3
	Maleic Acid	CAS : 110-16-7 EC: 203-742-5	H302 Cat 4 H315 Cat 2 H319 Cat 2 H317 Cat 1 H335 Cat 3	GHS07	≤0.4%	H317 Cat 1
	5-Bromo-4-chloro-3-indoxyl phosphate	CAS : 6578-06-9 EC : 229-506-1	H302 Cat 4 H312 Cat 4 H332 Cat 4 H315 Cat 2	GHS07 GHS08	< 0.1%	No hazardous at this concentration

			H319 Cat 2 H335 Cat 3 H371 Cat 2			
	Nitro Blue Tetrazolium chloride	CAS : 298-83-9 EC : 206-067-4	H302 Cat 4 H315 Cat 2 H319 Cat 2 H335 Cat 3	GHS07	< 0.1%	No hazardous at this concentration

For the full text of the H-Statements mentioned in this Section, see Section 16.

BSA Bovine Serum Albumin from a certified BSE (Bovine Spongiform Encephalopathy)-free source is comprised in the kit.

#### Additional information

The data and advice relate to the concentrations not of the lyophilized powder, but of the prepared solution.

### Section 4 - First Aid Measures

**General information:** Consult a doctor if necessary and provide this SDS.

**After inhalation:** Supply fresh air; consult a doctor in case of complaints.

**After skin contact:** Remove contaminated clothing and shoes; rinse with plenty of water and soap and consult a doctor.

**After eye contact:** Rinse opened eye for at least 15 minutes under running water, remember to remove contact lenses, if any, and consult a doctor.

**After ingestion:** Do NOT induce vomiting. Obtain medical attention.

**Most important symptoms or effects:** No available data.

### Section 5 – Fire Fighting Measures

**Suitable extinguishing agents:** Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Specific hazards due to combustion products:** Emits toxic fumes, carbon oxides. Do not breathe fumes.

**Protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Section 6 – Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Wear respiratory protection. Ensure adequate ventilation.

**Measures for environmental protections:** Do not allow to enter sewers / surface or ground water.

**Measures for cleaning / collecting:** Soak up with inert absorbent material and dispose of as hazardous waste. Avoid splashing.

### Section 7 – Handling and storage

#### 7.1 Handling

**Information for safe handling:** Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use with adequate ventilation.

**Information about fire - and explosion protection:** Keep away from sources of ignition. No smoking.

#### 7.2 Storage

**Requirement to be met by storerooms and receptacles:** Store in a cool, dry, well ventilated area away from incompatible substances. Keep away from metal.

**Storage class:** Store product and all components at 2-8°C.

## Section 8 – Exposure Controls / Personal Protection

### 8.1 Control of exposition

The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace.

### 8.2 Personal protective equipment

**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Wear respiratory protection or use in a chemical hood.

**Hand protection:** Compatible chemical resistant gloves.

**Eye protection:** Goggles recommended during refilling.

**Skin and Body protection:** Wear suitable protective clothing.

## Section 9 - Physical and Chemical Properties

### Form, Colour:

Components	Ingredients	Form	Colour
Pre-coated plate	-	-	-
Biotinylated detection Antibody	Proclin 300	Liquid	Colourless
Streptavidin- AP	-	Liquid	Colourless
BSA	-	Powder	Light brown
Ready to use BCIP/NBT substrate buffer	5-Bromo-4-chloro-3-indoxyl phosphate Nitro Blue Tetrazolium chloride 2-methyl-2-amino-1propanol Maleic Acid	Liquid	Clear to very pale yellow

**Odour:** Odourless

**pH:** N/A

**Melting point/Melting range:** N/A

**Boiling point/Boiling range:** N/A

**Flash point:** N/A

**Autoignition temperature:** N/A

**Danger of explosion:** Product does not present an explosion hazard

**Density:** N/A

**Solubility in / Miscibility with water:** Fully miscible

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

No available data

### 10.2 Chemical stability

**Thermal decomposition:** No decomposition if used according to specifications.

**Light:** BCIP/NBT tinge in brown under light exposition.

### 10.3 Others

#### Incompatibilities:

Streptavidin-AP: strong acids/alkalis, strong oxidizing/reducing agents.

BCIP/NBT: with bases, amines, alkali metals, copper, copper alloys.

Reagents containing Proclin 300: strong oxidising or reducing materials, amines.

#### Hazardous decomposition products:

BCIP/NBT: Toxic fumes of carbon monoxide, carbon dioxide, nitrous oxides, hydrogen chloride gas, hydrogen bromide gas, phosphorous oxides.

## Section 11 - Toxicological Information

**Route of entry:** Skin Contact, Eye contact, Inhalation, Ingestion.

**Effects of acute exposure to Product:**

Harmful if inhaled, swallowed or absorbed through the skin. Causes eye and skin irritation.

Material is irritating and destructive to tissue of the mucous membranes and upper respiratory tract.

**Effects of chronic exposure to Product:**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly tested.

**Exposure Limits:** Not available

**Irritancy:** Not available

**Sensitization to Product:** Not available

**Carcinogenicity:** IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Teratogenicity:** Not available

**Reproductive Toxicity:** Not available

**Mutagenicity:** Not available

**Synergistic Products:** Not available

## Section 12 – Ecological Information

**Toxicity:** Harmful for aquatic life.

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

**Results of PBT and vPvB:** Not available.

**Others harmful effects:** Not available.

## Section 13 – Disposal Considerations

**Waste disposal:** Dispose of in accordance with local official environmental regulations.

## Section 14 – Transport Information

**Special shipping information:** Does not need to be shipped as hazardous.

## Section 15 – Regulatory Information

Labelling in accordance with EC directives

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives.

## Section 16 – Other Information

This information is prepared on our present and best knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Full text & category of any Hazard statements under Section 3:**

H301: Toxic if swallowed - Category 3

H302: Harmful if swallowed - Category 4

H310: Fatal in contact with skin - Category 2

H312: Harmful in contact with skin - Category 4

H314: Causes severe skin burns and eye damage – Category 1

H315: Causes skin irritation - Category 2

H317: May cause an allergic skin allergic - Category 1

H318: Causes serious eye damage - Category 1  
H319: Causes serious eye irritation - Category 2  
H330: Fatal if inhaled - Category 1,2  
H332: Harmful if inhaled - Category 4  
H335: May cause respiratory irritation - Category 3  
H371: May cause damage to organs - Category 2  
H400: Very toxic to aquatic life - Category 1  
H410: Very toxic to aquatic life with long lasting effects - Category 1  
H412: Harmful to aquatic life with long lasting effects - Category 3  
H413: May cause long lasting harmful effects to aquatic life - Category 4

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. DIACLONE SAS shall not be liable for any damages resulting from handling or from contact with the above products.