

## 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	EC-No	CAS-No	% weight	Classification (pure ingredient)	Hazard Statements
Sodium Azide $\text{NaN}_3$	247-852-1	26628-22-8	< 0.1%	GHS06 GHS09	H300 Cat 2 H310 Cat 1 H410 Cat 1 EUH032
FITC	222-042-0	3326-32-7	< 5%	GHS08	H317 Cat 1 H334 Cat 1

Other chemicals contained within these products do not meet definition of a hazardous chemical according to the Regulation (EC) N° 1272/2008.

### Section 1 – Identification

Product Identification: **Dual FluoroSpot Set**  
 Product Code: **Cat- n° 874.xx2.xxx**  
 Product Application: **For Research Use Only**

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### Section 2 – Hazard Identification

#### 2.1 Classification

This product is not classified according to the CLP regulation

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Void  
 Hazard pictograms: Void  
 Signal word: Void  
 Hazard statements: Void

### Section 3 –Composition / Information on Ingredients

Component	Contains	CAS Number	EC Number	Classification (pure ingredient)	Hazard Statements	%
Capture Antibodies	-	-	-	NA	-	-
Biotinylated detection Antibody	-	-	-	NA	-	-
FITC-conjugated detection Antibody	FITC	3326-32-7	222-042-0	GHS08	H317 Cat 1 H334 Cat 1	-
Streptavidin- PE	-	-	-	NA	-	-
Anti FITC antibody green fluorescence-conjugate	Sodium Azide	26628-22-8	247-852-1	GHS06 GHS09	H300 Cat 2 H310 Cat 1 H410 Cat 1 EUH032	< 0.1%
BSA	-	-	-	NA	-	-
Blocking reagent	-	-	-	NA	-	-
Fluorescence Buffer	Sodium Azide	26628-22-8	247-852-1	GHS06 GHS09	H300 Cat 2 H310 Cat 1 H410 Cat 1 EUH032	0.1%

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 and consult a doctor.

**After ingestion:** Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

**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, nitrous oxides (NO<sub>x</sub>), sulphur 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

**Person-related safety precautions:** Wear self-contained breathing apparatus and appropriate PPE.

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

**Measures for cleaning / collecting:** Dilute with plenty of water and absorb with wipe dry. 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.

The product listed in this SDS contains sodium azide, a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, concentration build-ups of sodium azide may react with lead and copper plumbing to form explosion.

### 7.2 Storage

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

Light sensitive (FITC, PE).

**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.

**Protection of hands:** Compatible chemical resistant gloves.

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

## Section 9 - Physical and Chemical Properties

### Form, Colour:

Components	Ingredients	Form	Colour
Capture Antibodies	-	Liquid	Colourless
Biotinylated detection Antibody	-	Lyophilised	Blank
FITC-conjugated detection Antibody	FITC	Lyophilised	Blank
Streptavidin- PE	-	Liquid	Red
Anti FITC antibody green fluorescence conjugate	Sodium Azide	Liquid	Yellow
BSA	-	Powder	Light brown
Blocking reagent	-	Powder or Liquid	Blank
Fluorescence Buffer	Sodium Azide	Liquid	Colourless

**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.

### 10.3 Others

**Hazardous reactions:**

Reagents containing Sodium azide: Toxic fumes when contact with acid.

**Incompatibilities:**

Streptavidin-PE: strong oxidizing agents.

Reagent containing Sodium azide: acid, metal, acid chloride.

Reagent FITC: alcohols, strong bases, amines, acids, strong oxidizing agents.

**Hazardous decomposition products:** Not known.

## Section 11 - Toxicological Information

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

**Effects of acute exposure to Product:**

Harmful if inhaled or absorbed through the skin. Causes eye irritation. Very hazardous in case of ingestion. Material is irritating and destructive to tissue of the mucous membranes and upper respiratory tract.

**Effects of chronic exposure to Product:** Not available.

**Exposure Limits:** Not available

**Irritancy:** Not available

**Sensitization to Product:** Not available

**Carcinogenicity:** IARC: No component 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 of any Hazard statements under Section 3:**

H300: Fatal if swallowed

H310: Fatal in contact with skin

H317: May cause an allergic skin reaction

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H410: Very toxic to aquatic life with long lasting effects

EUH032: Contact with acids liberates very toxic gas

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.