

Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and GHS

SDS summaryProduct name: **ELISpot substrate: BCIP/NBT-plus for ALP**Product code: **3650-10, 3650-2**

Component	Substance/Mixture	CAS No.	EC No.	Conc.	Hazard pictogram code	Hazard statements
Substrate (BCIP/NBT-plus)	BCIP/NBT-plus contains a mixture of:					
	5-bromo-4-chloro-3-indolyl phosphate	6578-06-9	229-506-1	0.08 %	N/A	Not hazardous at this concentration
Nitroblue tetrazolium chloride	298-83-9	206-067-4	0.04 %			

If applicable, components listed in the summary above are further specified below into 16 sections according to the Regulation (EC) No 1272/2008 (CLP) and GHS.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: **ELISpot substrate: BCIP/NBT-plus for ALP**
Component: **Substrate (BCIP/NBT-plus)**
Substance/Mixture: **BCIP/NBT-plus**

1.2 Relevant identified uses and uses advised against

Recommended use: **Laboratory chemical for research use only**
Uses advised against: **No information available**

1.3 Supplier

Mabtech AB
Box 1233,
SE 131 28 Nacka Strand, Sweden
Tel: +46 8 716 27 00
Email: mabtech@mabtech.com

1.4 Emergency telephone number

Contact your local emergency number.

SECTION 2: Hazards identification

2.1 Classification of mixture

According to Regulation (EC) No 1272/2008 (CLP)
Not hazardous at this concentration.

Hazard pictogram

N/A

Signal word

N/A

Precautionary statements

N/A

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture

BCIP/NBT-plus contains a mixture of 5-bromo-4-chloro-3-indolyl phosphate and Nitroblue tetrazolium chloride.

3.2 Hazardous ingredients

Substance	CAS No.	EC NO.	Conc.	Classification according to Regulation (EC) No 1272/2008 [CLP]
5-bromo-4-chloro-3-indolyl phosphate	6578-06-9	229-506-1	0.08 %	Not hazardous at this concentration.
Nitroblue tetrazolium chloride	298-83-9	206-067-4	0.04 %	

SECTION 4: First aid measures

4.1 Description of first aid measures

- a) Following inhalation:
Move into fresh air. Seek medical attention for any breathing difficulty.
- b) Following skin contact:
Wash with soap and plenty of water. Seek medical attention if irritation persists.
- c) Following eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical attention if irritation persists.
- d) Following ingestion:
Rinse mouth with water. Seek medical attention.

4.2 Most important symptoms and effects

No information available.

SECTION 5: Firefighting measures

5.1 General information

Not flammable or combustible.

5.2 Extinguishing media

No known restrictions; use any means suitable for nearby fire.

5.3 Special hazards arising from the substance or mixture

None in particular.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use gloves and good hygienic practices.

6.2 Environmental precautions

None in particular.

6.3 Methods and material for containment and cleaning up

Use paper towels to absorb the liquid.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

None in particular.

7.2 Technical measures and storage conditions

Store according to product specifications.

SECTION 8: Exposure controls/personal protection

8.1 Exposure controls/personal protection

None in particular.

8.2 Personal protective equipment

- | | |
|-----------------------------|--------------------|
| a) Eye protection | Recommended |
| b) Hand protection | Recommended |
| c) Skin and body protection | Recommended |

- d) Respiratory protection
- e) Thermal hazards

No specific requirements

No specific requirements

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state at room temperature	Liquid
b) Appearance	Clear
c) Odour	Minimal odour
d) pH	Not determined
e) Melting/freezing point	Not determined
f) Boiling point/range	Not determined
g) Flash point	Not determined
h) Evaporation rate	Not determined
i) Flammability (solid, gas)	Not determined
j) Flammability in air	Not determined
a) Upper flammability limit	Not determined
b) Lower flammability limit	Not determined
k) Vapour pressure	Not determined
l) Vapour density	Not determined
m) Relative density	Not determined
n) Water solubility	Soluble
o) Solubility in other solvents	Not determined
p) Auto-ignition temperature	Not self-igniting
q) Decomposition temperature	Not determined
r) Viscosity, kinematic	Not determined
s) Explosive properties	Not determined

SECTION 10: Stability and reactivity

10.1 Chemical stability

Stable under recommended use and storage conditions.

10.2 Possibility of hazardous reactions

Not determined.

10.3 Conditions to avoid

Elevated temperature.

10.4 Incompatible materials

No information available.

10.5 Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- a) Acute toxicity:
Not determined.
- b) Skin corrosion/irritation:
Not determined.
- c) Eye damage/irritation:
Not determined.

- d) Sensitization to the respiratory tract/skin:
Not determined.
- e) Carcinogenicity:
No information available.
- f) Reproductive toxicity:
No information available.

11.2 Additional information

Not applicable.

SECTION 12: Ecological information

12.1 Toxicity

- a) Aquatic toxicity:
Not determined.
- b) Sediment toxicity:
Not determined.
- c) Terrestrial toxicity:
Not determined.

12.2 Persistence and degradability

Not determined.

12.3 Bioaccumulative potential

Not determined.

12.4 Mobility in soil

Not determined.

12.5 Results of PBT and vPvB assessment

Not determined.

12.6 Endocrine disrupting properties

Not determined.

12.7 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- a) Waste from residues or unused products:
Dispose the non-hazardous waste according to local regulations.
 - b) Packaging:
Empty container is not considered as hazardous waste.
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SECTION 14: Transport information

14.1 Transport hazard classes

- a) ADR:
This product does not require a classification for transport.
- b) IATA:
This product does not require a classification for transport.
- c) DOT:
This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available.

15.2 Chemical safety assessment
No information available.

SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product is supplied for research use only. Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damage therefrom.

END of SDS