

Safety Data Sheet

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

1.1 Product identifier

Olink® Focus Detection Kit

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Research use only
Uses advised against: Only for laboratory use

1.3 Details of the supplier of the safety data sheet

|| Olink Proteomics AB
Salagatan 16F
SE-753 30 Uppsala, SWEDEN
+46 18 444 39 70
www.olink.com
info@olink.com

1.4 Emergency telephone number

112 (In Sweden, ask for "Giftinformationscentralen")

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Does not meet the criteria for classification According to EG no 1272/2008 CLP.
See section 16 for explanations to hazard statements.

2.2 Label elements

According to EG no 1272/2008 CLP

Hazard pictograms: Not applicable
Signal words: Not applicable
Hazard statements: Not applicable
Precautionary statement: Not applicable
Supplemental Label elements: Not applicable

2.3 Other hazards

The product does not contain compounds classified PBT or vPvB.
The product does not contain compounds considered or suspected to have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

The Olink® Focus Detection Kit consists of nine (9) components:

- Negative Control (Art no 44001)
- Sample Diluent (Art no 44006)
- PEA Solution (Art no 84302)
- PEA Enzyme (Art no 84303)
- PCR Polymerase (Art no 84304)
- Detection Enzyme (Art no 84305)
- Primer Plate (Art no 84371)
- Detection Solution (Art no 84315)
- PEA Enhancer (Art no 84370)

Negative Control & Sample Diluent

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
2-Chloroacetamide	201-174-2	01-2119958971-23-0001	79-07-2	< 0.1 %	GHS08 GHS06	H301 H317 H361f	Acute Tox. 3 Skin Sens. 1 Repr. 2

Detection Solution PEA Enhancer

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
BSA	232-936-2	Not available	9048-46-8	1	GHS07	H302 H335	Acute Tox. 4 STOT SE 3

PEA Enhancer

Substance	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
DMSO ²	200-664-3	01-2119431362-50	67-68-5	100	–	–	–

All other components does not contain hazardous substances in concentrations that must be specified according to current legislation.

1) See section 16 for explanations to Hazard statements

2) The compound has an occupational exposure limit value – se section 8

SECTION 4: First aid measures

The information below is applicable to all components in the kit unless otherwise specified.

4.1 Description of first aid measures

General recommendations

Keep the person warm and calm. Do not give anything to eat or drink if the person is unconscious. In cases of doubt or when symptoms persist, seek medical attention. Show this safety data sheet to the doctor.

Inhalation

Fresh air.

Consult a doctor if feeling unwell.

Skin contact

Wash the skin with soap and water.

Eye contact

Rinse the eyes with lukewarm water.

Remove contact lenses.

Contact an eye doctor if symptoms arise and persist.

Ingestion

Rinse the mouth with water.

4.2 Most important symptoms and effects, both acute and delayed**Eye contact**

Eye exposure may cause a slight transient irritation.

Skin contact

Negative Control & Sample Diluent: May cause an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

The information below is applicable to all components in the kit.

The product is not classified as flammable.

5.1 Extinguishing media

Choose extinguishing media dependent on what is on fire in the vicinity, CO₂, dry chemicals, foam or water.

5.2 Special hazards arising from the substance or mixture

No known.

5.3 Advice for firefighters

If necessary, wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measure

The information below is applicable to all components in the kit.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves.

Avoid inhalation.

6.2 Environmental precautions

Prevent releases to enter sewer and watercourses.

6.3 Methods and material for containment and cleaning up

Spills should be collected with absorbing material (vermiculite, sand or similar) and put in a sealed container.

Clean the area with water.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and storage

The information below is applicable to all components in the kit.

7.1 Precautions for safe handling

Do not eat, drink or smoke while using the product.

Wash hands after use.

Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities

See instructions manual for the product and store as directed by the product packaging.

7.3 Specific end use(s)

Only for laboratory use - Research use only

SECTION 8: Exposure controls/personal protection

The information below is applicable to all components in the kit.

8.1 Control parameters

Workplace exposure limits Sweden (AFS 2018:1)

Substance	Long-term exposure limit (8h) ppm / mg/m ³	Short-term exposure limit (15 min) ppm / mg/m ³	Note
DMSO	50 / 150	150 / 500	H = can easily penetrate the skin

8.2 Exposure controls

Personal protection

Respiratory protection – required if there is a risk that dust or fumes are generated.

Hand protection – wear protective gloves.

Eye protection – use safety glasses if there is a risk of splashing.

Skin protection – wear protective clothing.

Ensure access to eye wash.

Environmental exposure controls

See section 12.

SECTION 9: Physical and chemical properties

The information below is applicable to all components in the kit unless otherwise specified.

9.1 Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Colorless
Odour	No information available
pH (at 20 °C)	PEA solution: 8.8 ± 0,05 Primer plate: 7.5 Detection solution: 7.35 ± 0,3 Other components: No information available.
Melting point	No information available
Flash point	Not flammable

Flammability	Not flammable
Boiling point	No information available
Ignition temp	No information available
Density (at 20°C)	No information available
Viscosity	No information available
Explosion limit	No information available
Vapour pressure	No information available
Decomposition temperature	No information available
Solubility	No information available
Partition coefficient	Not applicable
Relative vapour density	No information available
Particle characteristics	Not applicable

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

The information below is applicable to all components in the kit.

10.1 Reactivity

Stable during recommended usage- and storing conditions.

10.2 Chemical stability

Stable during recommended usage- and storing conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

The information below is applicable to all components in the kit.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixtures

The mixture has not been tested.

Likely routes of exposure – skin.

Assessment based on ingredients.

Acute toxicity inhalation/oral/dermal

No data available.

Skin corrosion/erosion
No data available.

Serious eye damage/irritation
No data available.

Respiratory or skin sensitization
Sample diluent & negative control
May cause an allergic reaction.
Other components
No data available.

Carcinogenicity
Does not contain substances classified as carcinogenic.

Germ cell mutagenicity
Does not contain substances classified as mutagenic.

Toxicity for reproduction
Sample diluent & negative control
Contains 2-Chloroacetamide which is suspected of damaging fertility.
Other components
No data available.

Specific target organ toxicity – single exposure
No data available.

Specific target organ toxicity – repeated exposure
No data available.

Aspiration hazard
No data available.

11.2 Information on other hazards
No data available.

SECTION 12: Ecological information

The information below is applicable to all components in the kit.

The product has not been tested.

12.1 Toxicity
Based on ingredients - the product is NOT classified toxic to the environment.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment

The product does not contain compounds classified PBT or vPvB.

12.6 Endocrine disrupting properties

Not considered or suspected to have endocrine disrupting properties.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

The information below is applicable to all components in the kit.

13.1 Waste treatment methods

Discarded unused product

Discarded unused product is NOT classified as hazardous waste according to EU Directive 2008/98/EC.

Observe federal, state and local environmental regulations. Contact a licensed professional waste disposal service.

Packaging

Should be disposed of in accordance with national and local regulations.

SECTION 14: Transport information

The information below is applicable to all components in the kit.

The product is NOT classified as dangerous goods according to ADR/RID/IMO/DGR.

14.1 UN number or ID number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

The product is not classified toxic for the environment.

14.6 Special precautions for user

None.

14.7 Maritime transport in bulk according to IMO instruments

The product is not transported in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

ADR – European Agreement Concerning the International Carriage of Dangerous goods by Road.
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
AFS 2018:1 - Hygieniska gränsvärden – Occupational limit values in Sweden.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Indication of changes

Notable changes in this safety data sheet are indicated with two vertical lines (||) in the left margin.

Explanations to hazard statements

H301 Toxic if swallowed
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.

Abbreviations

PBT: persistent, bioaccumulative and toxic
PBT/vPvB: persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative
vPvB: very persistent and very bioaccumulative