

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

KIT

INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Metanephrine Urine ELISA Fast Track Product Name:

Catalog #: KAPL10-0500

Kit Components: Wash Buffer Controls

> Enzyme Conjugate Antiserum

Substrate **Acylation Concentrate Stop Solution** Acylation Diluent Microtiterwells **Acylation Buffer** Hydrochloric acid Standards

Intended Use

For In Vitro Diagnostic Use. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 **Emergency telephone**

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 OTHER INFORMATION

2.1 **Labeling of microtiterplate:**

Each well can only be used once

2.2 Non dangerous component

Not listed components contain no hazardous substance in concentrations to be declared, a labeling is not required.

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STOP SOLUTION

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Product Name: Stop Solution

Catalog #: Component of the kit mentioned on the first page

1.2 Intended Use

Laboratory reagent / Immunoassay. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

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1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Corrosive to metals, Category 1, H290

2.2 Label elements

REGULATION (EC) No 1272/2008



Hazard pictograms:

Signal word: Warning

Hazard statements:

H290 May be corrosive to metals.

Precautionary statements:

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container with a resistant inner liner.

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Reduced labelling (contents of the package \leq 125 ml) according to Regulation (EC) No. 1272/2008

Hazard pictograms : Signal word : Hazard statements (CLP) : Precautionary statements (CLP) : -

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/6.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
Sulphuric acid	(CAS-No.) 7664-93-9	< 5	Met. Corr. 1, H290
	(EC-No.) 231-639-5		Skin Corr. 1A, H314
	(EC Index-No.) 016-020-00-8		

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
Sulphuric acid	(CAS-No.) 7664-93-9 (EC-No.) 231-639-5 (EC Index-No.) 016-020-00-8	(5 ≤ C < 15) Eye Irrit. 2, H319 (5 ≤ C < 15) Skin Irrit. 2, H315 (C ≥ 15) Skin Corr. 1A, H314

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

4 FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

First-aid measures general: Get medical advice/attention if you feel unwell. If possible

show him this sheet. Failing this,

show him the packaging or label. Never give anything by mouth

to an unconscious person.

Place the affected person in the recovery position.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Gently wash

with plenty of soap and water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing. Call a physician immediately.

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First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water

as a precaution.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated

conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing agents to the environment. Carbon dioxide.

Foam. Dry extinguishing powder. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic gases may be formed. Carbon dioxide.

Carbon monoxide.

5.3 Advice for fire fighters

Firefighting instructions: Prevent firefighting water from entering the environment. Use

water spray or fog for cooling exposed containers.

Protection during firefighting: Use a self-contained breathing apparatus and also a protective

suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures: Ensure adequate air ventilation. Avoid contact with skin and

eyes. Do not breathe vapours/spray.

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required. In case of

inadequate ventilation wear respiratory protection.

6.2 Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Absorb spillage to prevent material damage. Wipe up with

absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

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HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal

protective equipment. Avoid contact with skin and eyes. Do not

breathe vapour/aerosol.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before

eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in corrosive resistant container with a resistant inner liner.

Store in original container. Keep container tightly closed. Store in a cool, well-ventilated place. Protect from direct sunlight.

Keep out of frost.

Prohibitions on mixed storage: Keep away from food, drink and animal feedingstuffs.

Incompatible materials: Metals.

7.3 Specific Use(s)

Laboratory reagent, Immunoassays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Sulphuric acid	(7664-93-9)	
EU	Local name	Sulphuric acid (mist)
EU	IOEL TWA	0.05 mg/m^3
Austria	Local name	Schwefelsäure
Austria	MAK (OEL TWA) (mg/m³)	0.1 E mg/m ³
Austria	MAK (OEL STEL) (mg/m³)	0.2 E mg/m ³
Belgium	Local name	Acide sulfurique (brume) # Zwavelzuur (nevel)
Belgium	OEL TWA (mg/m³)	0.2 mg/m ³
Belgium	Remark	С
Germany	TRGS 900 Local name	Schwefelsäure
Germany	TRGS 900 Occupational Exposure Limit Value (mg/m³)	0.1 E mg/m ³
Germany	TRGS 900 Remark	1(I), DFG, EU, Y
Luxembourg	Local name	Acide sulfurique (brume)
Luxembourg	OEL STEL (mg/m³)	0.05 mg/m^3
Switzerland	Local name	Schwefelsäure
Switzerland	MAK (mg/m³)	0.1 e mg/m ³
Switzerland	KZGW (mg/m³)	0.2 e mg/m³
Switzerland	Notation	C1 [#] A , SSc

8.2 Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations.

Hand protection:

Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye protection:

Wear safety glasses (EN 166).

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Breathing apparatus with filter type P2.

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : Liquid Colour : Colourless

Odour : No data available Melting point/freezing point : No data available Boiling point or initial boiling point and boiling range : No data available Flammability : No data available Lower and upper explosion limit : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available pН : < 1.0

Kinematic viscosity : No data available
Solubility : No data available
Partition coefficient n-octanol/water (log value) : Not applicable
Vapour pressure : No data available
Density and/or relative density : No data available
Relative vapour density : No data available
Particle size : Not applicable

9.2 Other information

9.2.1 <u>Information with regard to physical hazard classes</u>

Explosive properties : No explosive properties Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics
No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

May be corrosive to metals.

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10.4 Conditions to Avoid

High temperatures.

10.5 <u>Incompatible materials</u>

Strong oxidizing agents. Strong bases. Strong acids. Metals.

10.6 Hazardous Decomposition Products

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide. Hydrogen chloride. Chlorine.

11 TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified

Based on available data, the classification criteria are not met

Sulphuric acid (7664-93-9)	
LD50 oral rat	2140 mg/kg
LC50 inhalation rat	375 mg/m³

Skin corrosion/irritation: Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity:

Not classified

(single exposure)

Based on available data, the classification criteria are not met

Specific target organ toxicity:

Not classified

(repeated exposure)

Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Based on available data, the classification criteria are not met

11.2 Additional information

Potential adverse human health:

Based on available data, the classification criteria are not met

effects and symptoms

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity : Not classified

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Chronic aquatic toxicity : Not classified

Sulphuric acid (7664-93-9)		
LC50 fish	> 16 - < 28 mg/l 96 h, Lepomis macrochirus	
EC50 crustacea	> 100 mg/l 48 h, Daphnia magna	
EC50 algae	> 100 mg/l 72 h, Desmodesmus subspicatus	
NOEC chronic fish	0.31 mg/l 213 d, Salvelinus fontinalis	
NOEC chronic crustacea	0.15 mg/l, Tanytarsus dissimilis	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national

regulations.

Waste treatment methods: Do not empty into drains. Dispose of this material and its

container in a safe way.

Waste code: The waste code number according to the Ordinance on the

European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste

producer.

14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA.

14.1 UN number or ID number

UN-No. (ADR):

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

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14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

14.4 Packing group

Packing group (ADR):

Not applicable
Packing group (IMDG):

Not applicable
Packing group (IATA):

Not applicable

14.5 Environmental hazards

Dangerous for the environment: No Marine pollutant: No

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulation/legislation specific for the substance or mixture</u>

EU regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out

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16 OTHER INFORMATION

Data sources: 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, amending and repealing

Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No

1907/2006.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Notification:

English is acceptable for our MSDS as the following conditions are met:

• Medical specialists (users) are well educated in the English language

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ACYLATION CONCENTRATE

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Product Name: Acylation Concentrate

Catalog #: Component of the kit mentioned on the first page

1.2 Intended Use

laboratory reagent / Immunoassay. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

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Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin corrosion, Category 1A, H317

2.2 Label elements

REGULATION (EC) No 1272/2008



Hazard pictograms:

Signal word: Warning

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container to an authorised waste collection point.

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Reduced labelling (contents of the package \leq 125 ml) according to Regulation (EC) No. 1272/2008

Warning

Hazard pictograms:

ruzuru pretograms.

Signal word:

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements: P261 Avoid breathing mist/vapours/spray. P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container to an authorised waste collection point.

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substance name : Caproic anhydride

EC-No. : 218-121-4 CAS-No. : 2051-49-2

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Caproic anhydride	(CAS-No.) 2051-49-2	100	Skin Sens. 1A, H317
	(EC-No.) 218-121-4		

Full text of H-statements: see section 16

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

First-aid measures general: Get medical advice/attention if you feel unwell. If possible

show him this sheet. Failing this,

show him the packaging or label. Never give anything by mouth

to an unconscious person.

Place the affected person in the recovery position.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Gently wash

with plenty of soap and water.

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First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing. Call a physician immediately.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water

as a precaution.

4.2 Most important symptoms and effects, both acute and delayed

Irritation and corrosion, irritant effects, Cough, Shortness of breath.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing agents to the environment. Carbon dioxide.

Foam. Dry extinguishing powder. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic gases may be formed. Carbon dioxide.

Carbon monoxide.

5.3 Advice for fire fighters

Firefighting instructions: Prevent firefighting water from entering the environment. Use

water spray or fog for cooling exposed containers.

Protection during firefighting: Use a self-contained breathing apparatus and also a protective

suit

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures: Ensure adequate air ventilation. Avoid contact with skin and

eyes. Do not breathe vapours/spray.

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required. In case of

inadequate ventilation wear respiratory protection.

6.2 Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Absorb spillage to prevent material damage. Wipe up with

absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

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6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal

protective equipment. Avoid contact with skin and eyes. Do not

breathe vapour/aerosol.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off

contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in original container. Keep container tightly closed. Store

in a cool, well-ventilated place. Protect from direct sunlight.

Prohibitions on mixed storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific Use(s)

Laboratory reagent, Immunoassays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Caproic anhydride (2051-49-2)		
PNEC (Water)		
PNEC aqua (freshwater)	88 μg/l	
PNEC aqua (marine water)	8.8 μg/l	
PNEC aqua (intermittent, freshwater)	888 μg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	7.77 mg/kg dwt	
PNEC sediment (marine water)	0.78 mg/kg dwt	
PNEC (Soil)		
PNEC soil	1.5 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	

8.2 Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations.

Hand protection:

Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses (EN 166).

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Product Name: Metanephrine Urine ELISA Fast Track

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Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Breathing apparatus with filter type A.

Environmental exposure controls:

Avoid release to the environment.

PHYSICAL AND CHEMICAL PROPERTIES

9.1 <u>Information on basic physical and chemical properties</u>

Physical state : Liquid

Colour : No data available Odour : No data available

Melting point/freezing point : -41 °C Boiling point or initial boiling point and boiling range : 267 °C

Flammability : No data available Lower and upper explosion limit : No data available

Flash point : 129 °C

Auto-ignition temperature : 260 °C (1015 hPa)

Decomposition temperature : No data available

pH : No data available

Kinematic viscosity : No data available

Solubility : Water: 10.82 g/L (20 °C)

Partition coefficient n-octanol/water (log value)

Vapour pressure

Pensity and/or relative density

1. No data available

1. No data available

1. No data available

1. No data available

Density and/or relative density : 0.924 (15 °C) Relative vapour density : 2.9 Pa (25 °C) Particle size : Not applicable

9.2 Other information

9.2.1 <u>Information with regard to physical hazard classes</u>

Explosive properties : No explosive properties Oxidising properties : No oxidising properties

9.2.2 <u>Other safety characteristics</u> No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

None under normal use

10.4 Conditions to Avoid

High temperatures.

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DIAsource ImmunoAssays S.A

2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

10.5 Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. Metals.

10.6 <u>Hazardous Decomposition Products</u>

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation: Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation: Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity:

Not classified

(single exposure)

Based on available data, the classification criteria are not met

Specific target organ toxicity:

Not classified

(repeated exposure)

Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Based on available data, the classification criteria are not met

11.2 Additional information

Potential adverse human health:

effects and symptoms

Based on available data, the classification criteria are not met

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity: Not classified Chronic aquatic toxicity: Not classified

Caproic anhydride (2051-49-2)	
LC50 fish	88 mg/l 96 h, Pimephales promelas
EC50 crustacea	> 100 mg/l 48 h, Daphnia magna
ECr50 algae	> 100 mg/l 72 h, Desmodesmus subspicatus
NOEC chronic algae	> 100 mg/l 3 h, Activated sludge

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

12.2 Persistence and degradability

Caproic anhydride (2051-49-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	77 %, 28 d

12.3 Bioaccumulative potential

Caproic anhydride (2051-49-2)		
]	Partition coefficient n-octanol/water (Log pow)	4.45 (25 °C)

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national

regulations.

Waste treatment methods: Do not empty into drains. Dispose of this material and its

container in a safe way.

Waste code: The waste code number according to the Ordinance on the

European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste

producer.

14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA.

14.1 UN number or ID number

UN-No. (ADR):

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

14.2 <u>UN proper shipping name</u>

Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track Catalog #: KAPL10-0500

14.3 <u>Transport hazard class(es)</u>

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

14.4 Packing group

Packing group (ADR):

Not applicable
Packing group (IMDG):

Not applicable
Packing group (IATA):

Not applicable

14.5 Environmental hazards

Dangerous for the environment: No Marine pollutant: No

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulation/legislation specific for the substance or mixture</u>

EU regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out

16 OTHER INFORMATION

Data sources: 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, amending and repealing

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2 rue du Bosquet



(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Skin Sens. 1A	Skin sensitisation, Category 1A
H317	May cause an allergic skin reaction

Notification:

English is acceptable for our MSDS as the following conditions are met:

• Medical specialists (users) are well educated in the English language

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

HYDROCHLORIC ACID

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Product Name: Hydrochloric Acid

Catalog #: Component of the kit mentioned on the first page

1.2 <u>Intended Use</u>

Laboratory reagent / Immunoassay. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Corrosive to metals, Category 1, H290

2.2 <u>Label elements</u>

REGULATION (EC) No 1272/2008



Hazard pictograms:

Signal word: Warning

Hazard statements:

H290 May be corrosive to metals.

Precautionary statements:

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container with a resistant inner liner.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Reduced labelling (contents of the package \leq 125 ml) according to Regulation (EC) No. 1272/2008

Hazard pictograms : Signal word : Hazard statements (CLP) : Precautionary statements (CLP) : -

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/6.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	0,1 - 1	Met. Corr. 1, H290
	(EC Index-No) 017-002-01-X		Skin Corr. 1B, H314
			Eye Dam. 1, H318
			STOT SE 3, H335

Name	Product identifier	Specific concentration limits according to
		Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	$(10 \le C < 25)$ Skin Irrit. 2, H315
	(EC Index-No) 017-002-01-X	$(10 \le C < 25)$ Eye Irrit. 2, H319
		$(10 \le C \le 100)$ STOT SE 3, H335
		$(25 \le C \le 100)$ Skin Corr. 1B, H314

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

4 FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

First-aid measures general: Get medical advice/attention if you feel unwell. If possible

show him this sheet. Failing this,

show him the packaging or label. Never give anything by mouth

to an unconscious person.

Place the affected person in the recovery position.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Gently wash

with plenty of soap and water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water

as a precaution.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated

conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing agents to the environment. Carbon dioxide.

Foam. Dry extinguishing powder. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic gases may be formed. Carbon dioxide.

Carbon monoxide. Hydrogen chloride. Chlorine.

5.3 Advice for fire fighters

Firefighting instructions: Prevent firefighting water from entering the environment. Use

water spray or fog for cooling exposed containers.

Protection during firefighting: Use a self-contained breathing apparatus and also a protective

suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures: Stop leak if safe to do so. Ensure adequate air ventilation.

Avoid contact with skin and eyes. Do not breathe

vapours/spray.

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required. In case of

inadequate ventilation wear respiratory protection.

6.2 Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Absorb spillage to prevent material damage. Wipe up with

absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal

protective equipment. Avoid contact with skin and eyes. Do not

breathe vapour/aerosol.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before

eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in corrosive resistant container with a resistant inner liner.

Store in original container. Keep container tightly closed. Store in a cool, well-ventilated place. Protect from direct sunlight.

Keep out of frost.

Prohibitions on mixed storage: Keep away from food, drink and animal feedingstuffs.

Incompatible materials: Metals.

7.3 Specific Use(s)

Laboratory reagent, Immunoassays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Hydrochloric acid % (EC 231-595-7)		
EU	Local name	Hydrogen chloride
EU	IOELV TWA (mg/m³)	8 mg/m ³
EU	IOELV TWA (ppm)	5 ppm
EU	IOELV STEL (mg/m³)	15 mg/m³
EU	IOELV STEL (ppm)	10 ppm
Austria	Local name	Chlorwasserstoff
Austria	MAK (OEL TWA) (mg/m³)	8 mg/m ³
Austria	MAK (OEL TWA) (ppm)	5 ppm
Austria	MAK (OEL STEL) (mg/m³)	15 mg/m³
Austria	MAK (OEL STEL) (ppm)	10 ppm
Belgium	Local name	Hydrogène (chlorure d') # Waterstofchloride
Belgium	OEL TWA (mg/m³)	8 mg/m ³
Belgium	OEL TWA (ppm)	5 ppm
Belgium	OEL STEL (mg/m³)	15 mg/m³
Belgium	OEL STEL (ppm)	10 ppm
Germany	TRGS 900 Local name	Hydrogenchlorid
Germany	TRGS 900 Occupational Exposure Limit Value (mg/m³)	3 mg/m ³
Germany	TRGS 900 Occupational Exposure Limit Value (ppm)	2 ppm
Germany	TRGS 900 Remark	2(I), DFG, EU, Y
Luxembourg	Local name	Chlorure d'hydrogène

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(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Luxembourg	OEL TWA (mg/m³)	8 mg/m³
Luxembourg	OEL TWA (ppm)	5 ppm
Luxembourg	OEL STEL (mg/m³)	15 mg/m³
Luxembourg	OEL STEL (ppm)	10 ppm
Switzerland	Local name	Acide chlorhydrique / Chlorwasserstoff [Salzsäure]
Switzerland	MAK (mg/m³)	3 mg/m³
Switzerland	MAK (ppm)	2 ppm
Switzerland	KZGW (mg/m³)	6 mg/m³
Switzerland	KZGW (ppm)	4 ppm
Switzerland	Notation	SSC

Hydrochloric acid % (EC 231-595-7)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	15 mg/m³
Long-term - local effects, inhalation	8 mg/m³

Hydrochloric acid % (EC 231-595-7)	
DNEL/DMEL (General population)	
Acute - local effects, inhalation	15 mg/m³
Long-term - local effects, inhalation	8 mg/m³

8.2 Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations.

Hand protection:

Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses (EN 166).

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Breathing apparatus with filter type P2.

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 <u>Information on basic physical and chemical properties</u>

Physical state : Liquid

Colour : No data available
Odour : No data available
Melting point/freezing point : No data available
Boiling point or initial boiling point and boiling range
Flammability : No data available
: No data available

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Lower and upper explosion limit : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available pH : No data available Kinematic viscosity : No data available

Solubility : Water: completely miscible

Partition coefficient n-octanol/water (log value)

Vapour pressure

Density and/or relative density

Relative vapour density

Particle size

: No data available
: No data available
: No data available
: No data available

9.2 Other information

9.2.1 <u>Information with regard to physical hazard classes</u>

Explosive properties : No explosive properties Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics
No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

May be corrosive to metals.

10.4 Conditions to Avoid

High temperatures.

10.5 Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. Metals.

10.6 Hazardous Decomposition Products

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide. Hydrogen chloride. Chlorine.

11 TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified

Based on available data, the classification criteria are not met

Hydrochloric acid % (EC 231-595-7)	
LC50 inhalation rat	7051 mg/m ³ 30 min

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(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Skin corrosion/irritation: Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation: Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity:

Not classified (single exposure)

Based on available data, the classification criteria are not met

Specific target organ toxicity: Not classified

(repeated exposure) Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Based on available data, the classification criteria are not met

11.2 Additional information

Potential adverse human health:

effects and symptoms

Based on available data, the classification criteria are not met

ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

Hydrochloric acid % (EC 231-595-7)		
LC50 Fish	pH 3.25 – 3.5 96 h, Lepomis macrochirus	
EC50 Crustacea	pH 4.92 48 h, Daphnia magna	
EC50 Algae	pH 4.7 72 h. Chlorella vulgaris	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Endocrine disrupting properties

No additional information available.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national

regulations.

Waste treatment methods: Do not empty into drains. Dispose of this material and its

container in a safe way.

Waste code: The waste code number according to the Ordinance on the

European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste

producer.

14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA.

14.1 UN number or ID number

UN-No. (ADR):

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

14.4 Packing group

Packing group (ADR):

Not applicable
Packing group (IMDG):

Not applicable
Not applicable

14.5 Environmental hazards

Dangerous for the environment: No Marine pollutant: No

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DIAsource ImmunoAssays S.A

2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulation/legislation specific for the substance or mixture</u>

EU regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Data sources: 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, amending and repealing

Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No

1907/2006.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

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(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA $^{\rm Fast\ Track}$

Catalog #: KAPL10-0500

SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Notification:

English is acceptable for our MSDS as the following conditions are met:

• Medical specialists (users) are well educated in the English language

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

STANDARDS

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Product Name: Standards

Catalog #: Component of the kit mentioned on the first page

1.2 <u>Intended Use</u>

Laboratory reagent / Immunoassay. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Corrosive to metals, Category 1, H290

2.2 <u>Label elements</u>

REGULATION (EC) No 1272/2008



Hazard pictograms:

Signal word: Warning

Hazard statements:

H290 May be corrosive to metals.

Precautionary statements:

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container with a resistant inner liner.

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DIAsource ImmunoAssays S.A 2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Reduced labelling (contents of the package \leq 125 ml) according to Regulation (EC) No. 1272/2008

Hazard pictograms : Signal word : Hazard statements (CLP) : Precautionary statements (CLP) : -

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/6.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	< 1	Met. Corr. 1, H290
	(EC Index-No) 017-002-01-X		Skin Corr. 1B, H314
			Eye Dam. 1, H318
			STOT SE 3, H335

Name	Product identifier	Specific concentration limits according to
		Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	$(10 \le C < 25)$ Skin Irrit. 2, H315
	(EC Index-No) 017-002-01-X	$(10 \le C < 25)$ Eye Irrit. 2, H319
		$(10 \le C \le 100)$ STOT SE 3, H335
		(25 < C < 100) Skin Corr. 1B, H314

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

4 FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

First-aid measures general: Get medical advice/attention if you feel unwell. If possible

show him this sheet. Failing this,

show him the packaging or label. Never give anything by mouth

to an unconscious person.

Place the affected person in the recovery position.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Gently wash

with plenty of soap and water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

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DIAsource ImmunoAssays S.A

2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water

as a precaution.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated

conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing agents to the environment. Carbon dioxide.

Foam. Dry extinguishing powder. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic gases may be formed. Carbon dioxide.

Carbon monoxide. Hydrogen chloride. Chlorine.

5.3 Advice for fire fighters

Firefighting instructions: Prevent firefighting water from entering the environment. Use

water spray or fog for cooling exposed containers.

Protection during firefighting: Use a self-contained breathing apparatus and also a protective

suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures: Stop leak if safe to do so. Ensure adequate air ventilation.

Avoid contact with skin and eyes. Do not breathe

vapours/spray.

6.1.1 For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required. In case of

inadequate ventilation wear respiratory protection.

Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Absorb spillage to prevent material damage. Wipe up with

absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

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2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal

protective equipment. Avoid contact with skin and eyes. Do not

breathe vapour/aerosol.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before

eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in corrosive resistant container with a resistant inner liner.

Store in original container. Keep container tightly closed. Store in a cool, well-ventilated place. Protect from direct sunlight.

Keep out of frost.

Prohibitions on mixed storage: Keep away from food, drink and animal feedingstuffs.

Incompatible materials: Metals.

7.3 Specific Use(s)

Laboratory reagent, Immunoassays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Hydrochloric acid % (E	EC 231-595-7)	
EU	Local name	Hydrogen chloride
EU	IOELV TWA (mg/m³)	8 mg/m³
EU	IOELV TWA (ppm)	5 ppm
EU	IOELV STEL (mg/m³)	15 mg/m³
EU	IOELV STEL (ppm)	10 ppm
Austria	Local name	Chlorwasserstoff
Austria	MAK (OEL TWA) (mg/m³)	8 mg/m ³
Austria	MAK (OEL TWA) (ppm)	5 ppm
Austria	MAK (OEL STEL) (mg/m³)	15 mg/m³
Austria	MAK (OEL STEL) (ppm)	10 ppm
Belgium	Local name	Hydrogène (chlorure d') # Waterstofchloride
Belgium	OEL TWA (mg/m³)	8 mg/m ³
Belgium	OEL TWA (ppm)	5 ppm
Belgium	OEL STEL (mg/m³)	15 mg/m³
Belgium	OEL STEL (ppm)	10 ppm
Germany	TRGS 900 Local name	Hydrogenchlorid
Germany	TRGS 900 Occupational Exposure Limit Value	3 mg/m ³
	(mg/m³)	
Germany	TRGS 900 Occupational Exposure Limit Value (ppm)	2 ppm
Germany	TRGS 900 Remark	2(I), DFG, EU, Y
Luxembourg	Local name	Chlorure d'hydrogène

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(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Luxembourg	OEL TWA (mg/m³)	8 mg/m ³
Luxembourg	OEL TWA (ppm)	5 ppm
Luxembourg	OEL STEL (mg/m³)	15 mg/m³
Luxembourg	OEL STEL (ppm)	10 ppm
Switzerland	Local name	Acide chlorhydrique / Chlorwasserstoff [Salzsäure]
Switzerland	MAK (mg/m³)	3 mg/m³
Switzerland	MAK (ppm)	2 ppm
Switzerland	KZGW (mg/m³)	6 mg/m ³
Switzerland	KZGW (ppm)	4 ppm
Switzerland	Notation	SSC

Hydrochloric acid % (EC 231-595-7)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	15 mg/m³
Long-term - local effects, inhalation	8 mg/m³

Hydrochloric acid % (EC 231-595-7)	
DNEL/DMEL (General population)	
Acute - local effects, inhalation	15 mg/m³
Long-term - local effects, inhalation	8 mg/m³

8.2 Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations.

Hand protection:

Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses (EN 166).

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Breathing apparatus with filter type P2.

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 <u>Information on basic physical and chemical properties</u>

Physical state : Liquid

Colour : No data available
Odour : No data available
Melting point/freezing point : No data available
Boiling point or initial boiling point and boiling range : No data available
Flammability : No data available

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Lower and upper explosion limit : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available pH : No data available Kinematic viscosity : No data available

Solubility : Water: completely miscible

Partition coefficient n-octanol/water (log value) : Not applicable
Vapour pressure : No data available
Density and/or relative density : No data available
Relative vapour density : No data available
Particle size : Not applicable

9.2 Other information

9.2.1 <u>Information with regard to physical hazard classes</u>

Explosive properties : No explosive properties Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics
No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

May be corrosive to metals.

10.4 Conditions to Avoid

High temperatures.

10.5 Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. Metals.

10.6 Hazardous Decomposition Products

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide. Hydrogen chloride. Chlorine.

11 TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified

Based on available data, the classification criteria are not met

Hydrochloric acid % (EC 231-595-7)	
LC50 inhalation rat	7051 mg/m³ 30 min

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(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Skin corrosion/irritation: Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation: Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity: Not classified

(single exposure) Based on available data, the classification criteria are not met

Specific target organ toxicity: Not classified

(repeated exposure) Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Based on available data, the classification criteria are not met

11.2 Additional information

Potential adverse human health: Bas

effects and symptoms

Based on available data, the classification criteria are not met

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

Hydrochloric acid % (EC 231-595-7)		
LC50 Fish	pH 3.25 – 3.5 96 h, Lepomis macrochirus	
EC50 Crustacea	pH 4.92 48 h, Daphnia magna	
EC50 Algae	pH 4.7 72 h. Chlorella vulgaris	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Endocrine disrupting properties

No additional information available.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

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12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national

regulations.

Waste treatment methods: Do not empty into drains. Dispose of this material and its

container in a safe way.

Waste code: The waste code number according to the Ordinance on the

European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste

producer.

14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA.

14.1 UN number or ID number

UN-No. (ADR):

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

14.4 Packing group

Packing group (ADR):

Not applicable
Packing group (IMDG):

Not applicable
Not applicable

14.5 Environmental hazards

Dangerous for the environment: No Marine pollutant: No

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulation/legislation specific for the substance or mixture</u>

EU regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Data sources: 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, amending and repealing

Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No

1907/2006.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

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(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA $^{\rm Fast\ Track}$

Catalog #: KAPL10-0500

SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Notification:

English is acceptable for our MSDS as the following conditions are met:

• Medical specialists (users) are well educated in the English language

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

CONTROLS

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 **Product identifier**

Product Name: Controls

Catalog #: Component of the kit mentioned on the first page

1.2 <u>Intended Use</u>

Laboratory reagent / Immunoassay. The product is intended for professional use.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11 Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Corrosive to metals, Category 1, H290

2.2 <u>Label elements</u>

REGULATION (EC) No 1272/2008



Hazard pictograms:

Signal word: Warning

Hazard statements:

H290 May be corrosive to metals.

Precautionary statements:

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container with a resistant inner liner.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Reduced labelling (contents of the package \leq 125 ml) according to Regulation (EC) No. 1272/2008

Hazard pictograms : Signal word : Hazard statements (CLP) : Precautionary statements (CLP) : -

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/6.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	< 1	Met. Corr. 1, H290
	(EC Index-No) 017-002-01-X		Skin Corr. 1B, H314
			Eye Dam. 1, H318
			STOT SE 3, H335

Name	Product identifier	Specific concentration limits according to
		Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid %	(EC-No) 231-595-7	$(10 \le C < 25)$ Skin Irrit. 2, H315
	(EC Index-No) 017-002-01-X	$(10 \le C < 25)$ Eye Irrit. 2, H319
		$(10 \le C \le 100)$ STOT SE 3, H335
		$(25 \le C \le 100)$ Skin Corr. 1B, H314

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

4 FIRST AID MEASURES

4.1 <u>Description of first aid measures</u>

First-aid measures general: Get medical advice/attention if you feel unwell. If possible

show him this sheet. Failing this,

show him the packaging or label. Never give anything by mouth

to an unconscious person.

Place the affected person in the recovery position.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Gently wash

with plenty of soap and water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

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DIAsource ImmunoAssays S.A

2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water

as a precaution.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated

conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Adapt extinguishing agents to the environment. Carbon dioxide.

Foam. Dry extinguishing powder. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic gases may be formed. Carbon dioxide.

Carbon monoxide. Hydrogen chloride. Chlorine.

5.3 Advice for fire fighters

Firefighting instructions: Prevent firefighting water from entering the environment. Use

water spray or fog for cooling exposed containers.

Protection during firefighting: Use a self-contained breathing apparatus and also a protective

suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures: Stop leak if safe to do so. Ensure adequate air ventilation.

Avoid contact with skin and eyes. Do not breathe

vapours/spray.

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required. In case of

inadequate ventilation wear respiratory protection.

Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Absorb spillage to prevent material damage. Wipe up with

absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

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2 rue du Bosquet

MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

6.4 Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal

protective equipment. Avoid contact with skin and eyes. Do not

breathe vapour/aerosol.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before

eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in corrosive resistant container with a resistant inner liner.

Store in original container. Keep container tightly closed. Store in a cool, well-ventilated place. Protect from direct sunlight.

Keep out of frost.

Prohibitions on mixed storage: Keep away from food, drink and animal feedingstuffs.

Incompatible materials: Metals.

7.3 Specific Use(s)

Laboratory reagent, Immunoassays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Hydrochloric acid % (E	EC 231-595-7)	
EU	Local name	Hydrogen chloride
EU	IOELV TWA (mg/m³)	8 mg/m³
EU	IOELV TWA (ppm)	5 ppm
EU	IOELV STEL (mg/m³)	15 mg/m³
EU	IOELV STEL (ppm)	10 ppm
Austria	Local name	Chlorwasserstoff
Austria	MAK (OEL TWA) (mg/m³)	8 mg/m³
Austria	MAK (OEL TWA) (ppm)	5 ppm
Austria	MAK (OEL STEL) (mg/m³)	15 mg/m³
Austria	MAK (OEL STEL) (ppm)	10 ppm
Belgium	Local name	Hydrogène (chlorure d') # Waterstofchloride
Belgium	OEL TWA (mg/m³)	8 mg/m ³
Belgium	OEL TWA (ppm)	5 ppm
Belgium	OEL STEL (mg/m³)	15 mg/m³
Belgium	OEL STEL (ppm)	10 ppm
Germany	TRGS 900 Local name	Hydrogenchlorid
Germany	TRGS 900 Occupational Exposure Limit Value	3 mg/m ³
	(mg/m³)	
Germany	TRGS 900 Occupational Exposure Limit Value (ppm)	2 ppm
Germany	TRGS 900 Remark	2(I), DFG, EU, Y
Luxembourg	Local name	Chlorure d'hydrogène

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2 rue du Bosquet



(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Luxembourg	OEL TWA (mg/m³)	8 mg/m ³
Luxembourg	OEL TWA (ppm)	5 ppm
Luxembourg	OEL STEL (mg/m³)	15 mg/m³
Luxembourg	OEL STEL (ppm)	10 ppm
Switzerland	Local name	Acide chlorhydrique / Chlorwasserstoff [Salzsäure]
Switzerland	MAK (mg/m³)	3 mg/m³
Switzerland	MAK (ppm)	2 ppm
Switzerland	KZGW (mg/m³)	6 mg/m³
Switzerland	KZGW (ppm)	4 ppm
Switzerland	Notation	SSC

Hydrochloric acid % (EC 231-595-7)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	15 mg/m³	
Long-term - local effects, inhalation	8 mg/m³	

Hydrochloric acid % (EC 231-595-7)		
DNEL/DMEL (General population)		
Acute - local effects, inhalation	15 mg/m³	
Long-term - local effects, inhalation	8 mg/m³	

8.2 Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations.

Hand protection:

Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses (EN 166).

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Breathing apparatus with filter type P2.

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 <u>Information on basic physical and chemical properties</u>

Physical state : Liquid

Colour : No data available
Odour : No data available
Melting point/freezing point : No data available
Boiling point or initial boiling point and boiling range
Flammability : No data available
: No data available

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Lower and upper explosion limit : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available pH : No data available Kinematic viscosity : No data available

Solubility : Water: completely miscible

Partition coefficient n-octanol/water (log value) : Not applicable
Vapour pressure : No data available
Density and/or relative density : No data available
Relative vapour density : No data available
Particle size : Not applicable

9.2 Other information

9.2.1 <u>Information with regard to physical hazard classes</u>

Explosive properties : No explosive properties Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics
No additional information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

May be corrosive to metals.

10.4 Conditions to Avoid

High temperatures.

10.5 Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. Metals.

10.6 <u>Hazardous Decomposition Products</u>

No hazardous decomposition products known at room temperature. In case of fire: Toxic gases may be formed. Carbon dioxide. Carbon monoxide. Hydrogen chloride. Chlorine.

11 TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified

Based on available data, the classification criteria are not met

Hydrochloric acid % (EC 231-595-7)	
LC50 inhalation rat	7051 mg/m ³ 30 min

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(According to regulation (EC) 1907/2006 and amendments)

Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

Skin corrosion/irritation: Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation: Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity: Not classified

Based on available data, the classification criteria are not met

Carcinogenicity: Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity: Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity: Not classified

(repeated exposure) Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Based on available data, the classification criteria are not met

11.2 Additional information

Potential adverse human health:

effects and symptoms

(single exposure)

Based on available data, the classification criteria are not met

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

Hydrochloric acid % (EC 231-595	(-7)
LC50 Fish	pH 3.25 – 3.5 96 h, Lepomis macrochirus
EC50 Crustacea	pH 4.92 48 h, Daphnia magna
EC50 Algae	pH 4.7 72 h. Chlorella vulgaris

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6 Endocrine disrupting properties

No additional information available.

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MATERIEL SAFETY DATA SHEET

(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

12.7 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Regional legislation (waste): Dispose in a safe manner in accordance with local/national

regulations.

Waste treatment methods: Do not empty into drains. Dispose of this material and its

container in a safe way.

Waste code: The waste code number according to the Ordinance on the

European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste

producer.

14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA.

14.1 UN number or ID number

UN-No. (ADR):

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

14.4 Packing group

Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA): Not applicable

14.5 Environmental hazards

Dangerous for the environment: No Marine pollutant: No

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MATERIEL SAFETY DATA SHEET

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Catalog #: KAPL10-0500

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulation/legislation specific for the substance or mixture</u>

EU regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.2 <u>Chemical Safety Assessment</u>

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Data sources: 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, amending and repealing

Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No

1907/2006.

Abbreviations and acronyms:

bore viations	and defonyms.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

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(According to regulation (EC) 1907/2006 and amendments) Product Name: Metanephrine Urine ELISA Fast Track

Catalog #: KAPL10-0500

SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Notification:

Printing date

English is acceptable for our MSDS as the following conditions are met:

• Medical specialists (users) are well educated in the English language

MSDS established : 2024-03-14

Revision number : 7