

## 1. Product and company identification

<b>Product Name</b>	Vcheck T4
<b>Product code</b>	VCF106
<b>Manufacturer Information</b>	
Name	BioNote, Inc.
Address	22 Samsung 1ro 4gil, Hwaseong-si, Gyeonggi-do 18449 Republic of Korea
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## 2. Composition/Information on ingredients

### 2.1 Components

Components	Content	CAS number	Classification
1. Test device	-	-	-
T-line : T4 antigen	0.60 ± 0.12 ug	N/A	Not classified
C-line : Mouse monoclonal anti-chicken IgY Ab	0.45 ± 0.09 ug	N/A	Not classified
2. Assay diluents	-	-	-
Distilled water	99.90%	7732-18-5	Not classified
Tris-HCl	0.8%	1185-53-1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Sodium azide	0.02%	26628-22-8	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (EUH032)
TritonX-100	0.1%	9002-93-1	Eye Dam. 1, H318 Acute Tox. 4, H302 Aquatic Chronic 2, H411
3. Disposable Capillary tube	N/A	N/A	N/A
4. Tablet spoide	-	-	-
Mouse Monoclonal anti-T4 Ab-gold particle	0.42 ± 0.084 ug	N/A	Not classified
Chicken IgY-gold particle	0.13 ± 0.026 ug	N/A	Not classified

### 2.2 Biological

- T4
- Mouse monoclonal anti-chicken IgY Antibody
- Mouse Monoclonal anti-T4 Antibody
- Chicken IgY

### 2.3 Hazardous Substance

None

## 3. Hazards identification

### Assay diluents



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<b>GHS Hazard Statements</b>	H303,H313, May be harmful if swallowed or in contact with skin H333 May be harmful if inhaled
<b>GHS Precautionary Statements</b>	P305 If in eyes, rinse continuously with water for at least 15 minutes.
<b>GHS Label elements</b>	Void
<b>Hazard pictograms</b>	Void
<b>Signal word</b>	Void
<b>Hazard statement</b>	Void
<b>Other hazards</b>	Void

## 4. First aid measures

### Description of first aid measures

**General information** No special measures required.

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

**After skin contact** Generally the product does not irritate the skin.

**After eye contact** Rinse opened eye for several minutes under running water.

**After swallowing** Induce vomiting and call for medical help.

## 5. Fire-Fighting measures

### Suitable extinguishing media

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. Accidental release measures

### Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

### Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. Handling and storage

### Handling

**Precautions for safe handling** No special measures required.

**Information about protection against explosions and fires** No special measures required.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

**Recommend storage condition** 2 - 8°C (DO NOT FREEZE)

**Shelf life** 1year

**Further information about storage conditions** None.

**Specific end use(s)** No further relevant information available

## 8. Exposure controls & personal protection

**Additional information about design of technical systems:** No further data

### Control parameters

### Components with limit values that require monitoring at the workplace:

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

**Additional information** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment

**General protective and hygienic measures** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment** Not required.

**Protection of hands** Protective gloves.

**Material of gloves** Synthetic gloves

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection** Safety glasses

## 9. Physical and chemical properties

### Appearance

Form	Solid
color	Various

### Safety data

Odour	no data available
Odour Thresold	no data available
pH	no data available
Meting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flashing point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability	no data available
Vapor pressure	no data available
Solubility	no data available
Vapor density	no data available
Relative density	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Formula mass	no data available

## 10. Stability and reactivity

#### Reactivity

no data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

no data available

#### Conditions to avoid

no data available

#### Hazardous decomposition products

No dangerous decomposition products known

## 11. Toxicological information

### Acute toxicity

#### Oral LD50

no data available



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## Inhalation LC50

no data available

## Dermal LD50

no data available

## Other information on acute toxicity

no data available

## Skin corrosion/irritation

No data available

## Serious eye damage/eye irritation

No data available

## Respiratory or skin sensitization

No data available

## Germ cell mutagenicity

No data available

## Carcinogenicity

**IARC:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Silica-Amorphous, precipitated)

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## Reproductive toxicity

no data available

## Specific target organ toxicity - single exposure (GHS)

no data available

## Specific target organ toxicity - repeated exposure (GHS)

no data available

## Aspiration hazard

no data available

## Synergistic effects

no data available

## Additional Information

RTECS: VV7315000 (Silica gel)

## 12. Ecological information

### Toxicity

no data available

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effects

no data available

## 13. Disposal considerations

### Product

The components of these products are not hazardous. When used for filtration of potentially hazardous chemical or biological liquid/gas, it is recommended for the user to consult regulatory organization. In all



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other conditions, dispose in accordance with all applicable local regulations.

### Contaminated packaging

Dispose of as unused product.

## 14. Transport information

### Assay diluents

#### LAND TRANSPORT(DOT)

Proper Shipping Name

Hazard Class-Primary:

UN/ID No.:

Packing Group

Subsidiary Risk

Not dangerous goods.

#### AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name

Hazard Class-Primary:

UN/ID No.:

Packing Group

Not dangerous goods.

#### MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name

Hazard Class-Primary:

Packing Group

EmS

Not dangerous goods.

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

### Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 16. Other information

This Material Safety Data Sheet(MSDS) is prepared on basis of the information obtained from Korea Occupational Safety & Health Agency(KOSHA), however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. It shall be used only as a guide and it does not represent any guarantee of the properties of the product. We assume no responsibility for any damage resulting from handling or from contact with the above product.