

## Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 26.07.2019 replaces version from 08.03.2012

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### 1. Identification of the substance/preparation and the company/undertaking

#### 1.1. Product identifier

Catalogue no.: IC3401ko  
Product name: 25-OH Vitamin D3/D2 controls (CTRL)

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Materials for use in the appropriate testkit.

#### 1.3. Details of the supplier of the safety data sheet

Company: ImmuChrom GmbH  
Lise-Meitner-Str. 13  
64646 Heppenheim  
Tel.: +49 6252 910084  
Fax: +49 6252 910070  
Email: [info@immuchrom.de](mailto:info@immuchrom.de)  
[www.immuchrom.de](http://www.immuchrom.de)

#### 1.4. Emergency telephone number

Available during the normal working hours +49 6252 910084

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### 2. Hazards identification

#### 2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008)

None

#### 2.2. Label elements (Regulation (EC) No 1272/2008)

Hazard pictograms (reduced labeling <125 ml)

Signal word

Hazard statements

Precautionary statements

P280 Wear protective gloves, protective clothing, eye protection  
P302+P352 If on skin: Wash with plenty of soap and water  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other dangers

Calibrator contains human blood. It was tested and found negative for HBsAg, anti-HIV-1/2, and anti-HCV. No test can guarantee the absence of HBsAg or HIV, and so all reagents of human origin in this kit must be handled as though capable of transmitting infection.  
The normal precautions for laboratory working should be observed.

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### 3. Composition/information on ingredients

The mixture contains human plasma and 25-OH Vitamin D2 and 25-OH Vitamin D3.

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#### 4. First aid measures

##### 4.1. Description of first aid measures

General advice: First aider needs to protect himself.

##### **After inhalation:**

**After skin contact:** Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

**After eye contact:** Rinse out with plenty of water. Immediately contact a ophthalmologist.

**If swallowed :** Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately contact a physician.

##### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

##### 4.3. Indication of immediate medical attention and special treatment needed

No information available

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#### 5. Fire fighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media: none

##### 5.2. Special hazards arising from the substance or the mixture

Not combustible

Ambient fire may cause hazardous gases

##### 5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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#### 6. Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

##### 6.2. Environmental precaution

Do not empty into drains

##### 6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

##### 6.4. Reference to other sections

For waste treatment refer to section 13

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#### 7. Handling and storage

##### 7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

##### 7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

### 7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

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## 8. Exposure controls/personal protection

### 8.1. Control parameters

The composition contains no substances with exposure control.

### 8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

### Individual protection measures

**Hygiene measures:** Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

**Eye protection:** Wear safety glasses.

**Hand protection:** wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

**Respiratory protection:** Not necessary

**Environmental exposure control:** Do not empty into drains

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## 9. Physical and chemical properties

Form	liquid
Colour	yellow
Odour	bloodsmell after reconstitution
pH-Value	approx. 7
Melting point	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapour pressure	no information available
Relative density	no information available
Water solubility	complete
Partition coefficient: n-oktanol/water	no information available
Autoignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

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## 10. Stability and reactivity

### 10.1. Reactivity

No information available

### 10.2. Chemical stability

The mixture is stable at 2-8 °C up to the expiry date given on the label

#### 10.3. Possibility of hazardous reactions

no information available

Violent reactions possible with:

No degradation when using according to the specification

#### 10.4. Conditions to avoid

Heat, direct sunlight

#### 10.5. Incompatible materials

Strong bases, strong acids, powdered metals, amines, phosphohalogenides, alcohols, organic materials, strong reduction agents.

#### 10.6. Hazardous decomposition products

No information available

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### 11. Toxicological information

#### 11.1. Information on toxicological effects

<b>Component</b>	<b>Type</b>	<b>Value</b>	<b>Species</b>
No information available			

Skin irritation  
none

Eye irritation  
slight irritation

Genotoxicity  
Ames test negative

Specific target organ toxicity  
No information available

Aspiration hazard  
Based on available data the classification criteria are not met

#### 11.2. Further information

Quantative data on toxicity of the mixture are not available

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### 12. Ecological information

#### 12.1. Toxicity

No information available

#### 12.2. Persistence and degradability

No information available

#### 12.3. Bioaccumulative potencial

No information available

#### 12.4. Mobility in soil

No information available

#### 12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

#### 12.6. Other adverse effects

No other effects known

Danger for drinking water

Do not allow to run into surface water, wastewater or soil.

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#### 13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

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#### 14. Transport information

Not supposed to the transport regulation

**ADR/RID**

**IATA**

**IMDG**

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#### 15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

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#### 16. Other information

Text of H-codes mentioned in section 2

Precautionary statements

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The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.