

## SAFETY DATA SHEET

According to Regulations  
(EC) No. 1272/2008, (EU) No. 453/2010,  
(EU) No. 2015/830, (EU) 2020/878

# CMV Brite™ Turbo Kit

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

### 1.1 Product Identifier

**Product Name:** CMV Brite™ Turbo Kit  
**Product Number:** VIR-CMV 110  
**EDMA Code:** 15 04 02 90  
**REACH No.:** A registration number is not available for this mixture as the mixture or its uses are exempted from registration, the annual tonnage does not require a registration.

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

**Intended use:** This product is intended for *In vitro* diagnostic use.  
**Uses advised against:** Not for use in humans.  
 Not for *in vivo* use.  
 Not for use other than those indicated above.

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

**Company:** IQ PRODUCTS BV  
**Address:** Rozenburglaan 13a  
 9727 DL GRONINGEN  
 THE NETHERLANDS  
**Telephone:** +31-50-5757000  
**E-mail address:** marketing@iqproducts.nl  
**Website:** www.iqproducts.nl

### 1.4 Emergency telephone numbers

Emergency Phone # 112

## 2. Hazards Identification

The CMV Brite™ Turbo Kit is available as a 110 tests kit. The product is composed of a set of reagents, i.e. CMV Brite™ Turbo Reagent A, B, C, D, and E, and CMV Brite™ Turbo Control Slides. All reagents are liquid containing the ingredients as presented in section 3.2. The CMV Brite™ Turbo Control Slides are composed of glass microscope slides containing fixed cells, each separately packed in a pouch containing desiccant.

Only Reagent A and B of the product composition do contain a dangerous substance in amounts that need to be hazard labeled according to EC Regulation No. 1272/2008. All other components of the product contain substances that may be hazardous when available in significant amounts and should be treated as potentially biohazardous.

Component	Content	Quantity
Reagent A	Erythrocyte lysing solution	200 ml
Reagent B	Fixative solution	290 ml
Reagent C	Permeabilization solution	290 ml
Reagent D	Monoclonal antibody	4 ml
Reagent E	FITC-conjugated sheep anti-mouse-immunoglobulins	4 ml
Control Slide	CMV antigenemia control microscope slides	5 x 1

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

Acute Toxicity - category 4 (H302, H331, H311, H301)

Eye Irritation - category 2 (H319)

Acute aquatic toxicity – category 1 (H400)


Chronic Aquatic toxicity - category 1 (H410)

Skin Corrosion - category 1A and 1B (H314)

Carcinogenicity – category 3 (H351)

Skin Sens. – category (H317)

## 2.2 Label elements

<b>Pictogram</b>		
<b>Signal word</b>	WARNING	DANGER
<b>Component</b>	Reagent A	Reagent B

### Hazard Statements (GHS):

#### Reagent A:

H300 Fatal if swallowed.

H302 Harmful if swallowed; H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage;

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### Reagent B:

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled;

H314 Causes severe skin burns and eye damage;

H317 May cause an allergic skin reaction;

H335 May cause respiratory irritation;

H351 Suspected of causing cancer;

H370 Causes damage to organs.

### Precautionary Statements (GHS):

#### Reagent A:

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

#### Reagent B:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray; P280 Wear protective gloves/ protective clothing/ eye protection/ Face protection;

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician;

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing;

P310 Immediately call a POISON CENTER or doctor/ physician.

### General

P270-Do not eat, drink or smoke when using this product;

P262-Do not get in eyes, on skin, or on clothing;

P337+P313- If eye irritation persists: Get medical advice/attention;

P302+361+352- IF ON SKIN: Take off immediately all contaminated clothing. Wash with plenty of soap and water;

P501- Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations;

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

## 2.3 Other Hazards

All reagents should be handled in accordance with good laboratory practices using appropriate precautions. In addition, handle all patient samples and control slides with appropriate precautions as described in "Biosafety in Microbial and Biomedical Laboratories", 6th ed., 2020. HHS Publication No. (CDC) 300859, Centers for Disease Control.

There are no reported further health hazards for the product in the current formulation and applications. The product contains substances that may be hazardous when available in

significant amounts and should be treated as potentially biohazardous. No toxic effects are to be expected when the product is handled appropriately. The product may enter the body through inhalation, ingestion, skin contact and eye contact.

Sodium azide forms explosive compounds with heavy metals. Components of this product contain azide < 0,1% (w/v). Repeated contact of these components with lead and copper, commonly found in plumbing drains, should be avoided as this may result in the buildup of shock-sensitive compound. On disposal, flush with large amounts of water to prevent azide build-up.

### 3. Composition/Information on ingredients

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

##### Composition of the product:

CAS/EC-no.	Chemical name	Content	Classification CLP according to Regulation (EC) No 1272/2008 (CLP)		
			Hazard Class and Category Code(s)	Hazard statement	Pictogram
<b>Reagent A</b>					
12125-02-9	Ammonium chloride	8.2% (v/v)	Acute Tox. 4 Eye Irrit. 2	H302 H319	
298-14-6	Potassium bicarbonate	1.0 % (v/v)	-	-	-
6381-92-6	Ethylenediaminetetraacetic acid disodium salt dehydrate (EDTA)	0.04% (v/v)	-	-	-
26628-22-8	Sodium Azide	0.1% (v/v)	Acute Tox. 2 * Aquatic Acute 1 Aquatic Chronic 1	H300 H400 H410	
<b>Reagent B</b>					
50-00-0	Formaldehyde	< 9.3 % (v/v)	Carc. 2 Acute Tox. 3 * Acute Tox. 3 * Acute Tox. 3 * Skin Corr. 1B Skin Sens. 1	H351 H331 H311 H301 H314 H317	
57-50-1	Sucrose	< 50.0% (w/v)	-	-	-
<b>Reagent C</b>					
9001-93-1	Igepal CA-630	< 2.5% (v/v)	-	-	-
57-50-1	Sucrose	< 50.0% (w/v)	-	-	-
26628-22-8	Sodium Azide	< 0.1% (w/v)	Acute Tox. 2 * Aquatic Acute 1 Aquatic Chronic 1	H300 H400 H410	
<b>Reagent D</b>					
7365-45-9	Hepes	< 0.6% (w/v)	-	-	-
26628-22-8	Sodium Azide	< 0.1% (w/v)	Acute Tox. 2 * Aquatic Acute 1 Aquatic Chronic 1	H300 H400 H410	
<b>Reagent E</b>					
314-13-6	Evans Blue	< 0.02% (v/v)	-	-	-
26628-22-8	Sodium Azide	< 0.1% (w/v)	Acute Tox. 2 * Aquatic Acute 1 Aquatic Chronic 1	H300 H400 H410	

### 4. First-aid Measures

#### 4.1 Description of first aid measures

Inhalation: Expose to fresh air. If breathing problems persist seek medical advice.  
 Skin Contact: Wash with plenty of water for 15 minutes. Remove contaminated clothing. Seek medical advice.  
 Eye Contact: Rinse with water for 15 minutes and seek medical advice.  
 Ingestion: Rinse mouth with water for 15 minutes and seek medical advice.

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

Not available.

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

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that over exposure to materials other than this product may have occurred. Also see above under section 4.1.

---

### 5. Fire-fighting Measures

#### 5.1 Extinguishing media

Extinguishing Media: Use carbon dioxide, dry chemical extinguisher or water.

Protective Equipment: An approved self-contained breathing apparatus and protective clothing should be used.

Special Fire and Explosion Hazards: No special hazards determined.

Hazard Combustion Products: Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.

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

No special hazards determined.

#### 5.3 Advice for firefighters

This product does not require special protective equipment. In the event of a large laboratory fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool. Poisonous gases may be produced in fires.

---

### 6. Accidental Release Measures

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use universal precautions, appropriate personal protective equipment and standard safe laboratory practices to clean up spilled substance promptly. Absorb spill onto an appropriate material. Avoid contact with eyes, skin and clothing. Wear safety glasses and protective gloves.

#### 6.2 Environmental Precautions

No known environmental precautions.

#### 6.3 Methods and Material for Containment and Cleaning Up

Soak up spills with an appropriate absorbent material. Consult local, state, or federal regulations for proper disposal.

#### 6.4 Reference to Other Sections

Follow protective measures provided in Sections 7, 8 and 13.

---

### 7. Handling and storage

#### 7.1 Precautions for safe handling

All reagents should be handled in accordance with good laboratory practices using appropriate precautions:

- No eating, drinking, or smoking in work areas
- Wash hands after use
- Remove contaminated clothing and protective equipment before leaving work area
- Avoid inhaling, ingesting, and contact with eyes and skin.

In addition, this product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.

#### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

All components of the CMV Brite™ Turbo kit are stable if stored according to appropriate conditions until the expiration date as indicated on the label and on each component provided. Storage conditions recommended: 2 to 8 °C. Protect the kit from temperatures above 30°C and from prolonged time at room temperature. Do not freeze. Avoid direct sunlight.

#### 7.3 Specific End Use(s)

The intended use is mentioned in section 1.2 no other specific uses are stipulated.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

The product does not contain any materials that need to be monitored at the workplace.

### 8.2 Exposure controls

Universal precautions should be followed when using this product.

Wear appropriate personal protective equipment and follow safe laboratory practices.



Pictograms:

Respiratory: None required when product is used as recommended

Hands: Wear protective gloves according to EN 166

Eye / Face: Wear safety glasses according to EN 374

Skin / Body: None required

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Reagent A			
<b>Physical state:</b> Liquid, clear	<b>Colour:</b> Colorless	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition temperature:</b> No data available	<b>Decomposition temperature:</b> Not applicable	<b>pH:</b> 7.40-7.90	<b>Kinematic viscosity:</b> No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

Reagent B			
<b>Physical state:</b> Liquid, clear	<b>Colour:</b> Colorless	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition temperature:</b> No data available	<b>Decomposition temperature:</b> Not applicable	<b>pH:</b> 6.85-7.20	<b>Kinematic viscosity:</b> No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

Reagent C			
<b>Physical state:</b> Liquid, clear	<b>Colour:</b> Light yellow	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition</b>	<b>Decomposition</b>	<b>pH:</b>	<b>Kinematic viscosity:</b>

<b>temperature:</b> No data available	<b>temperature:</b> Not applicable	6.85-7.20	No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

<b>Reagent D</b>			
<b>Physical state:</b> Liquid, clear	<b>Colour:</b> Orange/Salmon pink	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition temperature:</b> No data available	<b>Decomposition temperature:</b> Not applicable	<b>pH:</b> No data available	<b>Kinematic viscosity:</b> No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

<b>Reagent E</b>			
<b>Physical state:</b> Liquid, clear	<b>Colour:</b> Light blue	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition temperature:</b> No data available	<b>Decomposition temperature:</b> Not applicable	<b>pH:</b> No data available	<b>Kinematic viscosity:</b> No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

<b>Control slides</b>			
<b>Physical state:</b> Glass microscope slides	<b>Colour:</b> Not applicable	<b>Odour:</b> No data available	<b>Melting/freezing point:</b> No data available
<b>Initial boiling point and range:</b> Not applicable	<b>Flammability:</b> No data available	<b>Lower and upper explosion limit:</b> No data available	<b>Flash point:</b> Not applicable
<b>Auto-ignition temperature:</b> No data available	<b>Decomposition temperature:</b> Not applicable	<b>pH:</b> No data available	<b>Kinematic viscosity:</b> No data available
<b>Solubility:</b> Fully miscible in water	<b>Partition coefficient n-octanol/water:</b> No data available	<b>Vapour pressure:</b> Not applicable	<b>(relative) density:</b> Not applicable
<b>Relative vapour density:</b> Not applicable	<b>Particle characteristics:</b> Not applicable	<b>Explosive properties</b> Not explosive	<b>Oxidizing properties</b> Not oxidizing

## 9.2 Other information

No other physical and chemical parameters are applicable relevant to the safe use the CMV

## 10. Stability and Reactivity

### 10.1 Reactivity

No known reactivity.

### 10.2 Chemical stability

The product is stable under ambient storage and handling temperatures and under normal pressures.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known when handled properly.

### 10.4 Conditions to avoid

None identified.

### 10.5 Incompatible materials

Metals and metallic compounds. Strong acids, strong oxidizing agents, powdered metals and reducing agents. Sodium azide forms explosive compounds with heavy metals. Components of this product contain azide < 0,1% (w/v). Repeated contact of these components with lead and copper, commonly found in plumbing drains, should be avoided as this may result in the buildup of shock-sensitive compound. No hazardous incompatibilities identified.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known to be formed by this product.

## 11. Toxicological information

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

**Acute toxicity:** No toxic effect known.

**Skin corrosion/irritation:** No irritant effect known.

**Serious eye damage/irritation:** No irritant effect known.

**Respiratory or skin sensitization:** No sensitizing effect known.

**Germ cell mutagenicity:** No data available

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** Not Classified

### 11.2 Information on other hazards

Other information on adverse health effects are identified relevant to the safe use the CMV Brite™ Turbo kit.

## 12. Ecological information

### 12.1 Toxicity

Undetermined.

### 12.2 Persistence and degradability

Undetermined.

### 12.3 Bioaccumulative potential

Undetermined.

### 12.4 Mobility in soil

Undetermined.

### 12.5 Results of PBT and vPvB assessment

Undetermined.

### 12.6 Endocrine disrupting properties

Undetermined.

### 12.7 Other adverse effects

No adverse effects are known when handled and disposed properly.

---

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Product:

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

#### Contaminated Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

---

## 14. Transport information

### 14.1 UN Number or ID Number

Not determined.

### 14.2 UN proper shipping name

Not determined.

### 14.3 Transport hazard class(es)

Not determined.

### 14.4 Packing group

Not classified.

### 14.5 Environmental hazards

Not classified.

### 14.6 Special precautions for users

See subsections 6-8 and 13.

### 14.7 Maritime transport in bulk according to IMO instruments

This product is provided only in non-bulk containers.

---

## 15. Regulatory information

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

SARA Section 311/312 Hazard Classes are not applicable. This product is not classified. To the best of our knowledge, safety, health, and environmental regulations according to Regulation (EC) No. 1907/2006-REACH are not applicable.

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

---

## 16. Other information

### Changes to the previous version

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910:1200 and complies with Regulation (EC) No. 1272/2008, (EU) No. 453/2010, (EU) No. 2015/830 and (EU) 2020/878.

On September 2024 the second revision of this document was published. Changes in this document and corresponding justifications are shown in the table below:



<b>Current version</b>	Revision 2.0, January 2025
<b>Previous version</b>	Revision 1.0, 01June2015
<b>Changes</b>	<ol style="list-style-type: none"> <li>1. Literature references to Regulation (EU) No. 2015/830, 2020/878 and REACH and CLP added</li> <li>2. Basic physical and chemical properties (section 9.1) now put in a table per reagent, so that it is more readable.</li> <li>3. Placed label elements (Section 2.2) in a table and enlarged the symbols</li> <li>4. Minor layout changes</li> </ol>
<b>Justification</b>	<ol style="list-style-type: none"> <li>1. New version of these guidelines were available</li> <li>2-4 Increasing readability</li> </ol>

### Literature References

Regulation (EC) No. 1272 / 2008  
Regulation (EU) No. 453 / 2010  
Regulation (EU) No. 2015/830  
Regulation (EU) No. 2020/878  
Regulations REACH and CLP

### Disclaimer/Statement of Liability

The information presented in this Safety Data Sheet is based on the present state of our knowledge. The product should be used according to the instructions provided by the manufacturer, see "Instructions for use" as presented in the package insert accompanying every product. We make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The product should be used according to the instructions provided by the manufacturer, see "instructions for use" as presented in the Package Insert accompanying every product. *IQ Products BV* nor any distributors thereof shall not be held liable for any claims, losses, or damages resulting from handling or from contact with the product.

This document can be found on our website, [www.igproducts.nl](http://www.igproducts.nl). Copies may also be requested by sending an email request to [marketing@igproducts.nl](mailto:marketing@igproducts.nl) or by contacting your local product distributor.