

# SAFETY DATA SHEET



## KIT COBAS 4800 HSV 1&2 AMP/DET 80T IVD

Version  
1.4

Revision Date:  
04-25-2015

Date of last issue: 09-18-2014  
Date of first issue: 11-22-2012

### SECTION 1. IDENTIFICATION

Product name : KIT COBAS 4800 HSV 1&2 AMP/DET 80T IVD

Mat.-No./ Genisys-No. : 06768199190

#### Manufacturer or supplier's details

Company name of supplier : Roche Diagnostics

Address : 9115 Hague Road  
46250 Indianapolis IN

Telephone : 1-800-428-5074

Emergency telephone number:

In case of emergencies: : CHEMTREC 1-800-424-9300 (U.S. or Canada)  
1-703-527-3887 (International)

#### Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section Label elements contains the resulting labelling for the kit.

#### GHS Label element

Not a hazardous substance or mixture.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### MMX

#### GHS Classification

Not a hazardous substance or mixture.

#### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
glycerol	56-81-5	>= 5 - < 10

### SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

If inhaled : Move to fresh air.

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	If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with water.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire-fighting	: No information available.
Further information	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

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- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : No materials to be especially mentioned.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**MMX**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : Protective gloves

Remarks : The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

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

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****MMX**

Appearance : liquid

Colour : No data available

Odour : No data available

Odour Threshold : No data available

pH : 8.3 - 8.7

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.

Conditions to avoid : No data available

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Incompatible materials : No data available

Hazardous decomposition products : No data available

**SECTION 11. TOXICOLOGICAL INFORMATION****MMX****Acute toxicity**

Not classified based on available information.

**Product:**Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method**Components:****glycerol:**

Acute oral toxicity : LD50 Oral (Rat): 12,600 mg/kg

LD50 Oral (Mouse): 4,090 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: > 30 mg/l  
Method: Expert judgement

Acute dermal toxicity : LD50 Dermal (Rabbit): 10,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:****glycerol:**

Assessment: Mild eye irritant, Mild respiratory irritant, No skin irritation

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**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.

**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.

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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.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Components:****glycerol:**

Repeated dose toxicity - : Mild eye irritant, Mild respiratory irritant, No skin irritation  
Assessment

**Aspiration toxicity**

Not classified based on available information.

**SECTION 12. ECOLOGICAL INFORMATION*****MMX*****Ecotoxicity****Product:**

Ecotoxicology Assessment

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to : No data available  
the environment

**Components:****glycerol:**

Toxicity to fish : LC50: > 100 mg/l  
Exposure time: 96 h

Toxicity to algae : EC0 (Scenedesmus quadricauda (Green algae)): > 10,000  
mg/l  
Exposure time: 7 d

Toxicity to fish (Chronic tox- : > 1 mg/l  
icity)

Toxicity to bacteria : EC0 (Pseudomonas putida): > 10,000 mg/l  
Exposure time: 16 h

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

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Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : No data available

### Persistence and degradability

#### Components:

##### glycerol:

Biodegradability : Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

### Bioaccumulative potential

#### Components:

##### glycerol:

Partition coefficient: n-octanol/water : log Pow: -2.66

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

### International Regulation

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

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### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

Not regulated as a dangerous good

## SECTION 15. REGULATORY INFORMATION

### MMX

TSCA list : Not relevant

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium azide	26628-22-8	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium azide	26628-22-8	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

glycerol	56-81-5	6.08 %
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### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.



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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### Massachusetts Right To Know

glycerol	56-81-5	5 - 10 %
sodium azide	26628-22-8	0 - 0.1 %

### Pennsylvania Right To Know

water	7732-18-5	90 - 100 %
glycerol	56-81-5	5 - 10 %
sodium azide	26628-22-8	0 - 0.1 %

### New Jersey Right To Know

water	7732-18-5	90 - 100 %
glycerol	56-81-5	5 - 10 %
N-(tri(hydroxymethyl)methyl)glycine	5704-04-1	1 - 5 %

### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### The components of this product are reported in the following inventories:

#### REACH

- : Not in compliance with the inventory
- : glycerol
- : N-(tri(hydroxymethyl)methyl)glycine
- : potassium acetate
- : sodium azide
- : Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
- : Tween 20
- : Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O)
- : Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
- : 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)
- : 2'-Deoxycytidine 5'-triphosphate disodium salt
- : trometamol

#### CH INV

- : Not in compliance with the inventory
- : Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
- : 2'-Deoxycytidine 5'-triphosphate disodium salt

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TSCA	<ul style="list-style-type: none"> <li>: Not On TSCA Inventory</li> <li>: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)</li> <li>: 2'-Deoxycytidine 5'-triphosphate disodium salt</li> </ul>
DSL	<ul style="list-style-type: none"> <li>: This product contains the following components that are not on the Canadian DSL nor NDSL.</li> <li>: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)</li> <li>: 2'-Deoxycytidine 5'-triphosphate disodium salt</li> </ul>
AICS	<ul style="list-style-type: none"> <li>: Not in compliance with the inventory</li> <li>: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)</li> <li>: 2'-Deoxycytidine 5'-triphosphate disodium salt</li> </ul>
NZIoC	<ul style="list-style-type: none"> <li>: On the inventory, or in compliance with the inventory</li> </ul>
ENCS	<ul style="list-style-type: none"> <li>: Not in compliance with the inventory</li> <li>: water</li> <li>: N-(tri(hydroxymethyl)methyl)glycine</li> <li>: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt</li> <li>: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)</li> <li>: 2'-Deoxycytidine 5'-triphosphate disodium salt</li> </ul>
ISHL	<ul style="list-style-type: none"> <li>: Not in compliance with the inventory</li> </ul>

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	: water
	: N-(tri(hydroxymethyl)methyl)glycine
	: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)
	: 2'-Deoxycytidine 5'-triphosphate disodium salt
KECI	: Not in compliance with the inventory
	: N-(tri(hydroxymethyl)methyl)glycine
	: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: 2'-Deoxycytidine 5'-triphosphate disodium salt
PICCS	: Not in compliance with the inventory
	: N-(tri(hydroxymethyl)methyl)glycine
	: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)
	: 2'-Deoxycytidine 5'-triphosphate disodium salt
IECSC	: Not in compliance with the inventory
	: Uridine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: Guanosine 5'-(tetrahydrogen triphosphate), 2'-deoxy-, trisodium salt
	: 2'-deoxyadenosine 5'-(disodium dihydrogen triphosphate)
	: 2'-Deoxycytidine 5'-triphosphate disodium salt

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**MMX**

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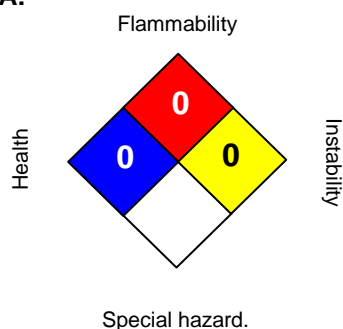
### GHS Label element

Not a hazardous substance or mixture.

## SECTION 16. OTHER INFORMATION

### Further information

**MMX**  
**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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