

# SAFETY DATA SHEET

HemaVision® kits  
DNA Diagnostic A/S

Revised: 29.06.2018  
Replaces: 15.08.2016

## 1. Product Identification

**Product names:**

HemaVision®-28N  
HemaVision®-Screen  
HemaVision®-7  
HemaVision®-inv16N  
HemaVision®-5;12N  
HemaVision®-9;22N  
HemaVision®-8;21N  
HemaVision®-15;17N  
HemaVision®-inv16  
HemaVision®-1;19  
HemaVision®-4;11  
HemaVision®-8;21  
HemaVision®-9;22  
HemaVision®-12;21  
HemaVision®-15;17  
HemaVision®-inv16

**Catalog no's.:**

HV01-28N  
HV01-Screen  
HV01-7  
HV02-inv16N  
HV02-512N  
HV02-922N  
HV02-821N  
HV02-1517N  
HV02-inv16  
HV03-119  
HV03-411  
HV03-821  
HV03-922  
HV03-1221  
HV03-1517  
HV03-inv16

**Chemical names, common names:**

Not applicable

**Product use:**

The kit is CE-marked and labeled IVD "For in-Vitro Diagnostic procedures"

**Synonyms:**

Not applicable

**Manufacturer's name:**

DNA Diagnostic A/S

**Address:**

Voldbjergvej 14  
DK-8240 Risskov  
Denmark

**Business phone:** +45 8732 3050

**Emergency phone:** Use your local number

## 2. Hazards identification

**Classification of the substance or mixture according to 1272/2008 CLP**

Not classified.

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## Label Elements 1272/2008 CLP

Not classified.

## Other Hazards

The product does not meet the criteria for PBT or vPvB.

## 3. Composition / Information of Ingredients

### The HemaVision® kits consists of the following solutions:

The HemaVision Kits consists of the following solutions:

cDNA Primer mix, 1 vial, 110-200 µL

PCR Primer mix, 2-90 vials, 95-155 µL

Each of these solutions contain water and oligonucleotides. Therefore, these product components contain no notifiable substances.

### Special note regarding Biological Constituents

The Biological Constituents of this product are known to be non-infectious and non-hazardous. When this product is used in conjunction with bodily fluids UNIVERSAL PRECAUTIONS SHOULD BE IMPLEMENTED.

## 4. First aid measures

Basic hygiene should prevent any problems. If contact with this product leads to reddening, inflammation, or other skin or eye irritation, flush the exposures area with running water.

Remove any contaminated clothing, taking care not to contaminate eyes. If chemical is in eyes, open victim's eyes while under gentle running water. Use sufficient force to open eye lids. Have the victim "roll" eyes. As per standard industrial practice, the recommended minimum flushing time is 15 minutes.

The victim should seek immediate medical attention if an adverse reaction has occurred. A copy of label and SDS should be given to the physician or health professional. If chemical is swallowed, and the victim is having a reaction to the product, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow.

### Eye:

Flush with water in eyewash for at least 15 minutes, holding eyelids open. Remove contact lenses, clean before re-use. Obtain medical attention if symptoms develop (redness, itching, etc.)

### Skin:

Wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing, which may be washed for re-use. Obtain medical attention if symptoms develop (redness, itching, etc.).

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## **Inhalation:**

Remove person to fresh air. Obtain medical attention unless effects are mild and temporary.

## **Ingestion:**

Give plenty of water, if conscious. If vomiting occurs naturally, wash out mouth. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

## **Note to Physician:**

Treat symptomatically. No specific antidote.

## **5. Fire Fighting Measures**

### **Fire extinguishing media**

This Product is not combustible. If this product is in the proximity of a fire, use fire extinguishing materials which are appropriate the materials which are involved in the fire, eg. powder, foam, CO<sub>2</sub> or water fog.

### **Unsuitable extinguishing media**

None known.

### **Hazardous Combustion products**

Includes carbon dioxide, carbon monoxide, and dense smoke.

### **Advice for firefighters**

Standard turnout gear ("bunker gear"). Positive pressure self-contained breathing apparatus. Prevent firefighting water from entering the environment.

## **6. Accidental release measures**

### **Personal Protective Equipment**

Area ventilation is generally adequate. Chemical-resistant gloves should be worn. Wear standard safety goggles or glasses. All watertight materials and rubber materials offer adequate protection. Avoid contact with eyes and skin.

### **Spill cleanup**

Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal. Wash area with plenty of water.

### **Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. Accidental releases may be subject to special reporting requirements and other regulatory mandates.

See also sections 8 and 13

## **7. Handling and storage**

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Storage of some materials is regulated by federal, state, and/or local laws.

## **Precautions for safe handling**

See section 8 on exposure controls /personal protection for information on personal protection. Avoid contact with eyes and skin. The product should be used under well-ventilated conditions. Keep closed or covered when not in use.

## **Storage temperature**

Frozen, below minus 18 degrees Celsius.

## **Storage pressure**

Ambient.

## **Handling procedures**

Keep closed or covered when not in use.

## **Storage Procedures**

Suitable for most general chemical storage areas. Protect from direct sunlight.

## **Specific end uses**

This product should only be used for applications described in section 1.

## **8. Exposure controls, personal protection**

### **Control parameters**

#### **Occupational exposure limits EH40 (Great Britain)**

No information

**DNEL/PNEC: -**

### **Exposure controls**

#### **Appropriate technical measures:**

Well- functioning area ventilation is generally adequate. No respiratory protection will be needed under normal operating conditions.

#### **General information/hygiene measures:**

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are clearly marked. Avoid contact with eyes and skin.

### **Personal Protective Equipments**

Only CE marked personal protection equipment should be used. Chemical-resistant gloves should be worn (EN 374).

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Wear standard safety goggles or glasses (EN 166). No respiratory protection is needed.

Wear appropriate protective clothing.

## 9. Physical and chemical properties

### For all components of the kit

**Odor**

none

**Boiling point**

100 degrees Celsius

**Melting point or range**

0 degrees Celsius

**pH**

neutral

**Vapor pressure**

Not established but similar to water

**Specific gravity**

1.0

**Solubility in water**

Yes

**Vapor pressure, mm Hg at 20 degrees Celsius**

Similar to water

**Volatiles**

Not established

**Evaporation rate (water=1)**

Not established

**Viscosity**

Not established

**Appearance and color**

Colorless liquid

## 10. Stability and Reactivity

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## **Reactivity**

Stable under normal and recommended conditions.

## **Chemical Stability**

Stable under recommended conditions for use and storage

## **Conditions to avoid**

Any set of conditions, which should be avoided for water. Direct sunlight. Strong oxidizers and reducers. Strong acids and bases. Alkalimetals.

## **Materials with which substance is incompatible**

This product is not compatible with substances which are incompatible with water. Otherwise not established.

## **Hazardous Decomposition Products**

None known

## **Hazardous reactions**

Not expected to occur

## **11. Toxicological information**

### **Potential Health Effect**

No long-term health effect from exposure to this product is presently known.

### **Specific target organ toxicity – single exposure**

Not classified

### **Acute toxicity**

Not classified

### **Serious eye damage/irritation**

Not classified

### **Dermal/skin corrosion/irritation**

Not classified

### **Inhalation/respiratory**

Not classified

### **Oral/ingestion**

Not classified

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## **Aspiration hazard**

Not classified

## **Specific target organ toxicity – single exposure**

Not classified

## **Specific target organ toxicity – repeated exposure**

Not classified

## **Carcinogenicity**

Not classified

## **Reproductive toxicity**

Not classified

## **Additional information**

Not applicable

## **12. Ecological Information**

### **Toxicity**

Not classified but avoid leakage to sewage system or surface water.

### **Environmental Fate (Degradation, Transformation, and Persistence)**

Bio-concentration is not expected to occur

### **Bioaccumulative potential**

Bioaccumulation is not expected to occur

### **Mobility in soil**

No data

### **Result of PBT and vPvB assessment**

The product does not meet the criteria for PBT or vPvB

### **Other adverse effects**

None known

## **13. Disposal Considerations**

### **Waste treatment methods**

Avoid discharge to drain and surface water Collect spills and waste in closed leak-proof containers for disposal at the local hazardous waste site.

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## **EWC-code**

15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

## **Contaminated packing**

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## **14. Transport information**

**This product is not subject to transport regulations**

### **UN Proper shipping name**

Not determined

### **UN number**

Not determined

### **Transport Hazard class**

Not determined

### **Environmental hazards - MP**

Not determined

### **ID number**

Not determined

**Special precautions for the user:** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC code:** Not applicable

## **15. Regulatory information**

### **European Union.**

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 19s07/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EU 453/2010.

### **United States.**

TSCA: This product is solely for research and development purposes only. It may only be handled by technically qualified individuals.



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**Canada.**

DSL/NDSL: Not determined.

<b>16: Other information</b>
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The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since DNA Diagnostic A/S cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.