

SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of Annex II of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council and subsequent amendments.

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

1.1 Product Identifier

Product Name

vetproof® *Lawsonia intracellularis* qPCR Kit

Catalogue Number

KIT252004

1.2 Use of the substance/ preparation

For veterinary *in vitro* use only – for animal use only.

1.3 Details of the supplier of the safety data sheet

BioChek B.V.

Fokkerstraat 14

2811ER Reeuwijk - Netherlands

Tel: +31 (0) 182 582 592 (operating hours 09.00-17.00 CET)

info@biochek.com

1.4 Emergency Telephone

France: (I.N.R.S) +33 (0) 1 45 42 59 59

(Or contact your local Poison Control Centre)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification under CLP:

Not a hazardous substance or mixture.

Most important adverse effects:

Not a hazardous substance or mixture.

2.2 Label Elements

REGULATION (EU) 1272/2008

Pictogram:

Not a hazardous substance or mixture.

Signal word:

Not a hazardous substance or mixture.

Hazard statement(s):

Not a hazardous substance or mixture.

Precautionary statement(s):

Not a hazardous substance or mixture.

SDS/LAWI/REV01
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Other Hazards:

Some hazards associated with individual components of this mixture are not relevant because the substances are present in concentrations below the GHS cut-off levels, change of physical state or because the mixture solution is buffered to pH 4-9 (see GHS Directive 1272/2008/EC Annex I, chapter 3.2.3.1.2.).

SECTION 3: Composition/ information on ingredients

Component	CAS-No.	EC-No.	Index-No.	Concentration	Classification
N/A	N/A	N/A	N/A	N/A	N/A

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person to fresh air. Consult a physician.

In case of skin contact

Remove contaminated clothes. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes with the eye lid wide open and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/ or section 11. Not expected to present hazard under anticipated conditions of normal use.

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- 4.3 Indication of immediate medical attention and special treatment needed**
No data available.
-

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Use water spray, alcohol-resistant foam, dry powder or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture**
Hazardous decomposition products formed under fire conditions. - CO_x ; NO_x ; HCl, Phosphorous oxides, Potassium oxides, Magnesium oxides, Sulphur oxides, Sodium oxides, Lithium oxides
- 5.3 Advice for firefighters**
Wear self-contained breathing apparatus for firefighting and sealed protective clothing is necessary in the event of large scale formation of toxic substances.
- 5.4 Further information**
Product package burns like paper or plastic. Spray any vapours released with water.
-

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes and clothing. Do not breathe vapours; aerosols. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedure. Use personal protective equipment (see section 8).
- 6.2 Environmental precautions**
Isolate spill area. Do not allow entering drains or watercourses. Notify authorities if large amounts of the product enters sewers or public waters.
- 6.3 Methods and materials for containment and cleaning up**
Contain spill material. Absorb the material with e.g. tissues or other liquid-absorbent material (eg Chemizorb®) place in a container in conformity with local regulations and subsequently, dispose properly and clean up affected area.
- 6.4 Reference to other sections**
Section 5.4: Additional fire precautions.
Section 8: Exposure controls/personal protection
Indications about waste treatment, see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling in accordance with the instructions supplied with the product. Provide adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Store at temperatures below 25°C For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Follow information on labelling and/or user manual. Keep only in the original container. Store in a cool well-ventilated place out of direct sunlight. Keep container closed when not in use.

Keep closed. Shelter from light. Store separately from: Strong acids, Bases, Oxidizing agents, Reducing agents, Alkali metals.

7.3 Specific end use(s)

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure Controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU) with integrated side shields or wrap-around protection.

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Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Wear protective gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Exact breakthrough times to be found through the manufacturer of the protective gloves and must be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

Body protection

Wear suitable protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not normally required.

For dust exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 14385) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Powder	Density	Not determined
Colour	White	Relative density air=1	Not determined
Odour	Odourless	Solubility in water	Not determined
Boiling point	Not determined	pH	Not determined
Flash point	Not determined	Viscosity	Not determined
Flammability	Not determined	Oxidising properties	Not determined
Explosive properties	Not determined	Conductivity	Not determined
Vapour pressure	Not determined		

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable until expiry date under storage conditions detailed on labels.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Extremely high or low temperature

10.5 Incompatible materials

Strong oxidizing agents; strong bases and acids; reducing agents, Alkali metals

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – Carbon oxides, Nitrogen oxides, Phosphorous oxides, Hydrogen chloride gas, Potassium oxides, Magnesium oxides, Lithium oxides, Sulphur oxide. In case of fire (see Section 5)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity oral

Data not available

Acute skin toxicity

Data not available

Eye irritation

Data not available

Sensitization

Data not available

Invitro Genotoxicity

Data not available

Specific target organ – Single exposure

Not classified as specific target organ toxicant - single exposure

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Specific target organ – repeated exposure

Not classified as specific target organ toxicant, repeated exposure

11.2 Other information**HEALTH HAZARDS:**

CAUTION: This product contains source materials of animal origin. These materials should be handled as though they might contain potentially infectious agents.

SECTION 12: Ecological information**12.1 Toxicity**

Not classified

12.2 Persistence and degradability

Data not available

12.3 Bioaccumulative potential

Data not available

12.4 Mobility in soil

Data not available.

12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT and vPvB criteria of REACH regulation, annex XIII

12.6 Other information

Data not available

SECTION 13: Disposal considerations**13.1 Product**

Disposal of chemical waste in compliance with corresponding local laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise on how to dispose this type of waste. Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2 Contaminated packaging

Disposal in compliance with corresponding local laws and regulations. Handle contaminated packaging in the same way as the product itself. Dispose of as unused product.

13.3 Other Information

If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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SECTION 14: Transport information

- 14.1 UN number**
Not regulated for transport
- 14.2 UN proper shipping name**
Not regulated for transport
- 14.3 Transport hazard classes**
Not regulated for transport
- 14.4 Packaging group**
Not regulated for transport
- 14.5 Environmental hazards**
Not applicable
- 14.6 Special precautions for user**
Not applicable
- 14.7 IATA / ADR / DOT-US / IMDG**
Not regulated in the meaning of transport regulations
- 14.8 Maritime transport in bulk according to IMO instruments**
Not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 (REACH) Annex II.

Regulated explosives precursors
None of the ingredient is listed

Regulated poisons
None of the ingredient is listed

Reportable explosives precursors
None of the ingredient is listed

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Reportable poisons

None of the ingredient is listed

Directive 2012/18/EU**Named dangerous substances – ANNEX I**

None of the ingredients listed

Classification according to VbF:

Data not available

Substances of very high concern

None

Substances subject to authorisation according to REACH, Annexe XVII

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list $\geq 0,1\%$ / SCL

Contains no REACH Annex XIV substances

15.2 Chemical safety assessment

No Chemical safety assessment has been carried out.

SECTION 16: Other information

For diagnostic in vitro use only.

Abbreviations:

ADN	European agreement concerning the international carriage of dangerous goods by waterways
ADR	European agreement concerning the international carriage of dangerous goods by road
CAS	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
DOT-US	Department of Transportation (United states)
EC	European Community
ECx	Effective Concentration x%
EINECS	European inventory of Existing Commercial Chemical Substances
GHS	Globally harmonized system of classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC50	Semi-maximum inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IMDG	International Maritime Dangerous Goods Code

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IMO	International Maritime Organization
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation and Authorisation of CHemicals
RID	Regulations concerning the International Carriage of Goods by Rail
SCL	Lethal concentration threshold
SDS	Security data sheet
STEL	Short term Exposure Limit
TWA	Time Weighted Average
UNxxxx	Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods
VbF	Flammable liquids regulations (German regulations)
vPvB	Very Persistent and very Bioaccumulative

Additional information

Not applicable

"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 the Company 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, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE."

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