(RT)-qPCR set – Safety Data Sheet

In accordance with regulation (EC) No. 1907/2006, amended by 2020/878/EU

1. Identification of the substance or preparation and of the company undertaking

1.1 Product identifier
(RT)-qPCR set 96
Set composed of Lyo qPCR Master Mix 2x or Lyo RT-qPCR Master Mix 2x, Reconstitution Buffer for Lyo qPCR or Reconstitution Buffer for Lyo RT-qPCR, qPCR positive control, qPCR negative control and Nuclease-free water
Art. No. specific to pathogen Art. No. (Please check BIOREBA website: https://www.bioreba.ch/).

1.2 Use of the substance or mixture
In vitro diagnostic test for laboratory use.

1.3 Manufacturer / supplier details
BIOREBA AG
Christoph Merian-Ring 7
CH-4153 Reinach
Switzerland
Phone +41 61 712 11 25; Fax +41 61 712 11 17
admin@bioreba.ch
www.bioreba.ch

1.4 Emergency phone number
Tox Info Suisse
Emergency Switzerland phone: 145
From abroad: +41 44 251 51 51

2. Hazards identification

2.1 Classification according to Regulation (EC) 1272/2008
This product does not meet the criteria for classification.

2.2 Label elements
Hazard pictogram(s): None.
Signal word(s): None.

Hazard statements
Hazard statement(s): None.

Precautionary statements
Precautionary statement(s): None.

2.3 Additional information
No information is available.

3. Composition / Information on ingredients

Proprietary formulation.

The product is made up of a mixture of non-hazardous components. The product contains DNA oligonucleotides.

4. First aid measures

4.1 Description of First Aid Measures
General notes
No special measures are required. In case of accident or illness: Consult a doctor immediately (if possible, show this instruction manual or safety data sheet).

After inhalation
In case of accidental inhalation: Remove casualty to fresh air and allow to rest. If discomfort arises, seek medical advice/medical attention.

In case of skin contact
After contact with the skin, wash with plenty of soap and water. If discomfort arises, seek medical advice/medical attention.

In case of eye contact
Immediately rinse, carefully and thoroughly, for several minutes with eye wash or water. If discomfort arises, seek medical advice/medical attention.

If swallowed
Rinse the mouth thoroughly with water. Drink water. Do not induce vomiting. Never administer anything through the mouth to an unconscious person or in case of cramps. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

4.3 Indication of any immediate medical attention and special treatment needed
No information available.

5. Firefighting measures

5.1 Suitable extinguishing media
Use an extinguishing agent suitable for the surrounding fire. Water spray, foam, dry powder, carbon dioxide (CO_2).

5.2 Special hazards arising from the mixture
No information available.

5.3 Advice for firefighters
Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles. Wear self-contained breathing apparatus. Self-contained breathing apparatus (SCBA). Self-contained breathing apparatus (autonomous breathing apparatus, EN 133). Type: B (against inorganic gases and vapors, color: grey). Type: ABEK (combination filter for gases and vapors, color: brown/grey/yellow/green).

5.4 Additional information
Do not allow firefighting water to reach drains, sewers and watercourses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. Wear full chemical protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent the contamination of skin, eyes and personal clothing. Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions
Dilute with plenty of water. Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up
Cover drains and sewers. Absorb with liquid-binding material. Ventilate area of spill. Clean up affected area. Use DNA-removing agents against DNA contamination.

7. Handling and storage

7.1 Handling

7.1.1 Precautions for safe handling
Wear suitable protective clothing. Keep the workplace clean. Avoid aerosol formation. Open containers with caution.

7.1.2 Precautions for fire and explosion protection
Remove all sources of ignition. Do not smoke. Do not eat and drink.

7.1.3 Further information on handling
Always close the container tightly after removing the product. Wash hands before breaks and at the end of the working day. Store away from foodstuffs.

7.2 Storage

7.2.1 Requirements for storage rooms and containers
Keep container tightly closed and in a well-ventilated place. Keep only in original container.

7.2.2 Precautions for combined storage
No information is available.

7.2.3 Further information on storage conditions
Recommended storage temperature: -20°C.

8. Exposure controls / personal protection

8.1 Control parameters
Occupational exposure limits: None.

8.2 Exposure controls

8.2.1 Protective and hygiene measures
Always close the container tightly after removing the product. Wash hands before breaks and at the end of the working day. Avoid contact with skin and eyes. General safety measures must be observed.

8.2.2 Eye protection
Eye protection is not required.

8.2.3 Hand protection
Rubber gauntlet gloves. DIN EN 374.
Check for tightness /imperviousness before use. If gloves are to be re-used, clean them before removal and ensure they are well ventilated during storage.

8.2.4 Body protection
Personal protective clothing.

8.2.5 Respiratory protection
Respiratory protection is not required.

8.2.6 Environmental exposure controls
Material and its container must be disposed of in a safe way.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Aggregate state:	Solid and Liquid components
pH:	No information available
Color:	Transparent, clear
Odor:	Virtually odorless
Miscibility with water:	Fully miscible

10. Stability and reactivity

10.1 Reactivity
This material is not reactive under normal ambient conditions.

10.2 Chemical stability
The material is stable under normal environmental conditions and under the temperature and pressure conditions expected during storage and handling.

10.3 Possibility of hazardous reactions
No hazardous reactions known.

10.4 Conditions to be avoided
No information available.

10.5 Incompatible materials
No information available.

10.6 Hazardous decomposition products
No information available.

11. Toxicological information

11.1 Information on hazard classes according to regulation (EC) 1272/2008

Acute toxicity: For oral, dermal and inhalation classification criteria are not met.
Irritation and corrosive effects on the skin: No information available.
Irritation and corrosive effects on the eyes: No information available.
Irritation and Corrosive effects via inhalation: No information available.
Sensitization effects: No information available.
Reproductive toxicity: No information available.

11.2 Information on other hazards
No information available.

12. Ecological information

12.1 Toxicity
The product is not classified as toxic to the environment.

12.2 Persistence and degradability
No information available.

12.3 Bio-accumulative potential
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 / was not carried out.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
No information available.

13. Disposal considerations

13.1 Waste treatment methods
Disposal in accordance with local regulations. Uncontaminated and clean containers may be recycled. Use DNA-removing agents and special DNA waste treatment methods.

Disposal of contaminated packaging and recommended cleaning agents:
In accordance with local authority regulations.

14. Transport Information

The product is not classified as dangerous good for all modes of transport.

14.1 UN number or ID number
Not hazardous for transportation.
ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

14.2 UN proper shipping name
ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

14.3 Transport hazard class(es)
ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

14.4 Packing group
ADR, RID, IMDG, IATA-DGR, ICAO-TI: Not applicable.

14.5 Environmental hazards
No environmental hazards.

14.6 Special precautions for user
No special precautions.

15. Regulatory information

No data available.

16. Other information

16.1 Abbreviations and acronyms

ADR:	Accord Européen sur le transport of marchandises dangereuses par route (European Agreement concerning theinternational carriage of dangerous goods by road)
RID:	Règlement international concernant le transport des marchandises Dangereuses par chemin de fer (Regulations concerning the international transport of dangerous goods by rail)
ECHA:	European Chemicals Agency
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulation by the "International Air transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV:	Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
EC50:	Median effective concentration
ATE:	Acute Toxicity Estimate
RTECS:	Registry of Toxic Effects of Chemical Substances
NOAEL:	No Observed Adverse Effect Level
DNEL:	Derived No Effect Level
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Concentration
vPvB	Very Persistent and very Bioaccumulative
DNA	Deoxyribnonucleic acid

16.2 Further information
The information is based on the present state of our knowledge and serves to describe the product with regard to its required safety precautions. They do not represent a warranty of the product's described characteristics.