

Material Safety Data Sheet

1. NAME OF SUBSTANCE/PREPARATION AND COMPANY

- 1.1 Commercial product:
- 2 x PCR Master Mix
 - 2 x Red PCR Master Mix
 - 2 x Hot Start PCR Master Mix
 - 2 x Red Hot Start PCR Master Mix
 - 2 x pfu Master Mix
 - 2 x HF Master Mix
- Cat.-No.:
- # R 500, # R 501, # R 540, # R 541, # R 530, # R 531, # R 520, # R 521, # HS 50R 550,
R 551, # R 560, # R561
- 1.2 Company:
- ROVALAB GmbH
Kantstraße 55
14513 Teltow, Germany
- Tel. ++49-3328-301477
Fax. ++49-3328-301478
E-Mail: info@rovalab.de
- 1.3 In Emergencies:
- Central of Detoxification, Berlin
++49-30-19240

2. COMPOSITION/INFORMATION ON CONSTITUENTS

- 2.1 Components:
- Taq DNA Polymerase, pfu Polymerase, HF Polymerase, Desoxy-Nucleotide-Triphosphate-Sodium-Solutions
- Reaction Buffer consisting of:
- water,
 - glycerol,
 - ammonium sulfate,
 - tris-(hydroxymethyl)-aminomethan (R36/37/38 Xn / Xi)
 - Triton X-100 (R22-41 Xn / Xi)
 - MgCl₂ Solution

Contains no hazardous substances in reportable quantities.

- 2.2 Notes:
- There is at present no information or indication of hazardous property.

3. HAZARDS IDENTIFICATION

- 3.1 Hazard description: Not applicable.
- 3.2 Hazards for human and environment: The product does not have to be labelled due to the calculation procedure of the „General Classification guideline for preparations of the EU“.
- 3.3 Ingestion: No Data.
- 3.4 Evidence for reproductive toxicity, carcinogenicity and mutagenicity: No Data.

4. FIRST AID MEASURES

- 4.1 General information: No special measures required.
- 4.2 Eye contact: Flush eyes with water.
- 4.3 Skin contact: Wash off with water and soap.
- 4.4 Inhalation: Supply fresh air.
- 4.5 Swallowing: Rinse out mouth.
- 4.6 Ingestion: If symptoms, seek medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing agents: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- 5.2 Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Person-related safety precautions: Not required.
- 6.2 Measure for environmental protection: Do not allow to enter drainage system, surface or ground water.
- 6.3 Measure for cleaning/ collecting: Collect mechanically.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
No dangerous substances are released.



7. HANDLING AND STORAGE

7.1 Handling:	No special measures necessary.
7.2 Storage:	No special measures necessary. Store at –20°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

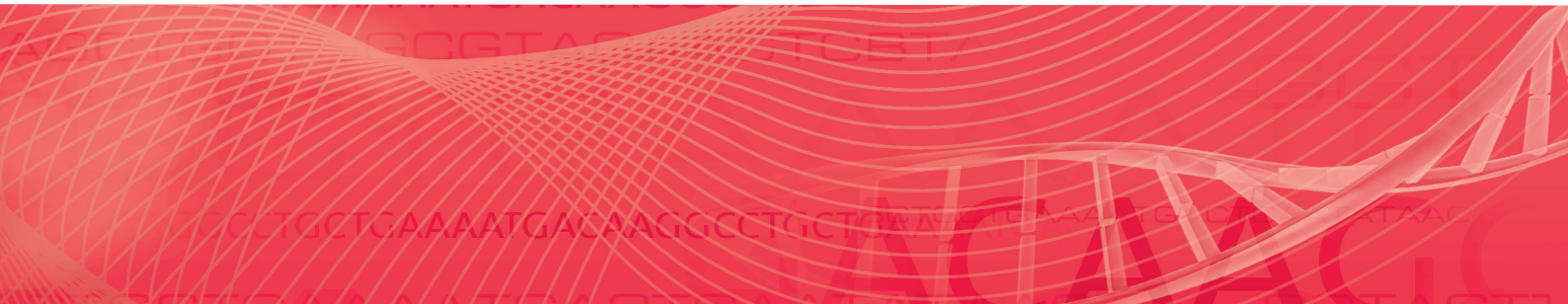
8.1 Respiratory protection:	None
8.2 Eye protection:	Safety glasses
8.3 Hand protection:	Protective gloves
8.4 Hygiene:	Wash hands before breaks and at the end of the work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical state:	Liquid
9.2 Solubility:	Fully miscible in water.
9.3 Colour:	Colourless
9.4 Danger of explosion:	Product is not explosive
9.5 Flash Point/Boiling Point:	No Data.
9.6 Vapor pressure:	No Data

10. STABILITY AND REACTIVITY

No dangerous reaction known.	
10.1 Stability :	Stable under normal handling and storage conditions. Avoid contact with strong oxidants, fire.
10.2 Decomposition :	No Data.



11. TOXICOLOGICAL INFORMATION

Toxicologic information: No irritant effect on skin and eye.
No sensitizing effects known.

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

Hazards: Water hazard class I: slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATION

Disposal of in accordance with federal, state and local environmental regulations. Smaller quantities can be disposed with household waste.

14. TRANSPORT INFORMATION

Not dangerous.

14.1 ADR/RID Class: No
14.2 IMDG Class: No
14.3 Marine pollutant: No
14.4 ICAO/IATA Class: No

15. REGULATORY

Observe the general safety regulations when handling chemicals. The product is not subject to identification under EU Directives and the Ordinance on hazardous Materials.

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. Special permission has been granted in accordance with EU Directive 88/379, Article 9, which permit small packages of up to 125 ml or containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.

