

2024-05-16
Signature:

OPERATING INSTRUCTIONS

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken
Fakultät für Chemie

working area: AAC

working place: S05 T01 B52

TOOL

Eppendorf Centrifuge 5804 R

RISKS FOR HUMANS AND THE ENVIRONMENT



- Hazards may occur due to unbalance of the rotor. Thereby, the centrifuge can start to move and threaten people directly. Furthermore, vessels can be damaged by the imbalance and they may leak their content. This may damage the centrifuge and / or lead to hazards of the laboratory personnel by vessel parts and the leaked substance.
- Damage to health due to infectious liquids and pathogenic germs.
- Risk from Damage to the device or main cable.
- Risk of injury when opening or closing the centrifuge lid.
- Risk of damage to the device, rotor, lid or caps while using aggressive and explosive chemicals or mixtures.
- Risk of injury from overloaded rotor
- Risk und damage to device due to spilled liquids.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- Absolutely work according to the operating manual, familiarize yourself.
- Load rotors symmetrically perhaps with counterbalance.
- Do not exceed the maximum load of the rotor and tighten it well with the special rotor wrench.
- Use the rotor adjusted to the volume.
- Don't move the device during operation.
- Avoid the use of explosive, aggressive or hardly reactive materials.
- Pay attention to the service life of rotor and seals according to the manual.
- Observe the biological safety level and safety data sheets for infectious material and disinfect the centrifuge. Use appropriate rotors and caps.
- When opening and closing the centrifuge lid, do not reach between the lid and the appliance or into the locking mechanism. Always open the lid completely.
- **Avoid strong and weak alkalis, strong acids, solutions containing mercury, copper and other heavy metal ions, halogenated hydrocarbons, concentrated salt solutions and phenol.**

RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Constanze Dietrich Tel.: 1834559
- Dr. Sven Meckelmann Tel.: 1833295
- Prof. Dr. Oliver Schmitz Tel.: 1833950

BEHAVIOUR IN CASE OF ACCIDENT / FIRST AID



- Keep calm.
- Consult first-aider.
- Emergency call: 0112
- Report accident.

MAINTENANCE / DISPOSAL

- Service only by technical supporters.
- Switch off and disconnect from electric supply network.
- Routine control of expaendable parts.