

Stand: 17.08.2021

OPERATING IINSTRUCTION GENETIC ENGINEERING
- SAFETY LEVEL 1
[GenTSV § 12(2)]

The measures are supplemented by the general operating instructions.

Area of application

Genetic engineering work at security level: 1
Attached: Nikolaus Fiebiger Center for Molecular Medicine

Raum-Nummern: U 01.31a, U 01.31, 00.041, 00.042, 00.043, 00.044,
00.045, 00.046, 00.051, 00.052, 00.053, 00.054, 00.074/75, 00.076/77, 00.081, 00.082,
00.083/84, 1.071, 1.072, 1.073, 1.074/75, 1.076/77, 1.078/79, 1.081, 1.082, 1.083/84,
1.085, 1.041, 1.042/43, 1.044/45, 1.046, 1.048/49, 1.052, 1.053, 1.054/55, 1.056/57,
2.041, 2.042/43, 2.044/45, 2.046, 2.047, 2.048/49, 2.052, 2.053, 2.054/55, 2.056, 2.071,
2.072, 2.073, 2.074/75, 2.076/77, 2.078/79, 2.081, 2.083/84, 03.041, 03.042, 03.045,
03.046, 03.047, 03.048, 3.053, 03.055, 03.056, 03.057

Approval notice: 840-8791.2.57

Used biological agents and hazards to humans and the environment

Organisms: E. coli K 12 and derivatives
Saccharomyces cerevisiae HF7c, L40
human and murine cell lines

Nucleic acids: isolated murine and human cDNAs, genomic DNA
Plasmids: z.Bsp. pcDNA flag, pcDNA3, pBAT flag, pGBT9,
pGAD424, pBTM116, pVP16

The nucleic acids are not associated with an increased hazard potential. Dangers to humans and the environment: none..

Security measures and rules of conduct

- The work with the bacteria and genetically modified organisms are only in the
- perform laboratory areas designated for this purpose.
- The windows and doors must remain closed during work.
- Do not eat, drink, smoke or apply cosmetics in the workrooms.
- Protective gowns and work gloves must be worn in all work with bacteria and genetically modified organisms.
- Pipetting by mouth is prohibited - Pipetting aids should be used.
- Syringes and cannulas should only be used if absolutely necessary.
- avoid aerosols; work on the possible formation of aerosols in safety cabinets.
- Workplace contamination should be removed immediately (use disinfectant, for example 70% EtOH, Biozidal ZF).
- After completion of work, clean and disinfect the workplace and laboratory equipment (eg 70% EtOH, Biozidal ZF).
- The identity of the strains used should be checked regularly.
- Unexperienced microbiologists must be briefed, supervised and supervised by the project manager on the hazards.

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- After completion of the activity or before leaving the laboratory, the hands must be thoroughly disinfected (Sterilium), washed (Manipur) and greased (e.g., Saprolin).
- **The laboratories should be cleaned and cleaned after work!**

Storage and disposal

- The storage of bacteria, genetically modified organisms and nucleic acids takes place only in the designated -70 ° C cabinets and temporarily in the refrigerators or in the refrigerator
 - All containers with biological agents must be clearly labeled (name, date and content).
 - When storing larger quantities of liquid media, drip pans should also be used.
 - The disposal of biological waste, syringes, cannulas and plastic containers takes place only in the provided special containers.
 - All waste must be autoclaved (chemical or thermal).
 - Autoclaving is only carried out by trained technical personnel..

Measures in the event of malfunction and emergencies

- Liquid contaminants are absorbed with pulp.
 - All work surfaces and contaminated areas must be adequately disinfected (see hygiene plan).
- Contaminated protective clothing must be autoclaved before cleaning.
Personal contamination: Disinfection of the affected body part
All faults and incidents are immediately the project leader or his deputy.

Contact persons

Project manager: Prof. Dr. Jürgen Behrens Tel.: 29100
BBS: Dr. Martin Sachs Tel.: 29112

First aid

Emergency:		09/112	
		phone	room
First aid	Prof.Dr.med. Beate Winner	39301	00.072
personnel:	Prof. Dr. med. T. Brabletz	29104	01.031
	Wencke Wallusch	29100	01.032
	Dr. Martin Sachs	29112	02.033
	Stefanie Brey	39317	02.078
	Andrea Schneider	39317	02.078
	Dieter Hertel	Funk 02-9270	
Skin contact:	Med Klinik Notaufnahme	3970	
Eye contact:	Med Klinik Notaufnahme	3970	
Swallow:	Giftnotruf München	089/19240	
Inhalation:	Giftnotruf München	089/19240	

Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL):
Tel.: 09131/6808 2500