

Documentation of the instruction of guests of the genetic engineering facility no. 92/14 of safety level 2 and SupraFAB laboratories

Part A - Contact persons SupraFAB

	Numbers (030)-838 (mobil)	Responsible person/position
SupraFAB	-55462 (01756236640)	A. Wiedekind (SupraFAB)
Contact person areas	-59145 / -63078 / -57942	K. Achazi / J. Scholz / E. Quaas (Biology)
	-70019 / -58037 / -54554 / -75844 / -67309	M. Götze / P. Nickl / K. Goltsche / (Chemistry) P. Kusch / B. Höfer (Physik, Laser & Reinraum)
		K. Goltsche, K. Achazi, B. Höfer, E. Quaas, J. Scholz, A. Springer, K. Tebel
		D. Hauenstein (Occupational safety department), A. Wiedekind (SupraFAB)
First aid	-56354	
Fire protection	-50731 -55462	
Emergency call	112	Emergency call from the Berlin fire department
Internal Emergency call (FU-Berlin)	-55112	Internal emergency coordination
Central control room (24/7)	-55555	Technical emergency & damage
Occupational safety department (FUB)	-54495, -54496	Support for occupational safety: D. Hauenstein
Contact: Accident Insurance Fund	-76240	Inform Dr. Carlo Fasting in the event of damage.
Project manager genetic engineering S2 area (PL) <i>IN THE EVENT OF ACCIDENTS & INCIDENTS IN THE BIOLOGY S2 AREA, INFORM THE PROJECT MANAGER IMMEDIATELY!</i>	-59145 (015203150552)	Dr. K. Achazi
	-58721 (015142464808)	Dr. S. Wedepohl
	-59014 (017660928429)	Dr. M. Maglione
	-66286 (015208693103)	Dr. D. Lauster
	-51187 (015184984661)	Prof. C. Freund
	-56032 (015901727694)	Dr. D. Nürnberg
BBS (Biological Safety Officer)	-57348 (01773503488)	Dr. B. Loll



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Part B - In an emergency: medical emergency

- In case of serious medical emergencies, danger to life & fire call ☎ 112 & inform **supervisor/foreman & SupraFAB office** (room 103 & 102).
- Call a first aider (-56354) & treat injuries:
 - Open wounds: rinse with water, bleed & treat
 - Cuts: allow to bleed out & treat
- Eyes & mucous membranes: rinse under running water for 10 minutes → use eye shower
➤ See a doctor or emergency room (the next day at the latest)
- In the event of incidents in the S2 area: **Inform the genetic engineering project manager immediately**
- In case of toxic substances: **Call the Charité poison control center** [24/7] **030-19240**
<https://giftnotruf.charite.de/>



In case of accidents or technical emergencies, call the in-house technical control center "Zentralwarte" [24/7]: (030) 838-55555. Inform the SupraFAB office (room 103 & 102).

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Part C - Working safely in SupraFAB labs

- Access only after instruction → Annual repetition
- Wear suitable work & protective clothing → in the clean room & S2 area if necessary
- Only enter laboratories after consultation and with the permission of the laboratory staff
- DO NOT** touch or move laboratory benches, fume cupboards, equipment & superstructures
- DO NOT** eat & drink, smoke or put on make-up
- DO NOT** enter laboratories & contact the (laboratory) manager/supervisor immediately:
 - in the event of an accident & injuries
 - if warning signs are switched on
 - in case of unknown liquids or solids on the floor



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Part C - Hazards in the laboratories

- Biologists, physicists and chemists work in SupraFAB
- Hazards due to:



	Chemicals	Poisoning & chemical burns
	(Cold) gases	Suffocation & frostbite, explosions
	Vacuum equipment & centrifuges	Injuries due to explosion & flying objects
	Sharp objects	Cuts & stab wounds
	Laser	Destruction of eyesight & burns
	Additional hazards S2 area	
	Biological substances:	Infection, illness, poisoning & release of genetically modified organisms (GMOs)

Part C - Biological substances

Biological substances such as viruses, bacteria, cells & other organisms can cause **infections, diseases or poisoning** & can be **genetically modified**, i.e. "mutated", in laboratories so that they show characteristics that do not occur naturally.

They **MUST** be handled in specially **labeled laboratories or genetic engineering facilities** & **MUST NOT** leave them.

The **SupraFAB biology laboratory area** has **safety level 2 (S2 gene facility 92/14)** or **protection level 2**, as it works with **biological substances & organisms** that pose a risk to humans & the environment.

The S2 area **MAY** therefore **only be entered** with **WRITTEN PERMISSION** & after **INSTRUCTION** (repeated annually!) & **hands MUST** be disinfected when leaving.

Immunosuppressed persons as well as **pregnant or breastfeeding persons** are **NOT allowed to enter** without prior individual risk assessment with the involvement of the company medical service.



SupraFAB
Safety in laboratories
Freie Universität  Berlin

Biologisches Labor – Schutzstufe 2 BIO 2
gemäß BiorStoffV

Geneontechnische Anlage 92/14 – Sicherheitsstufe 2
gemäß GenTG

Zutritt für Unbefugte verboten!
Zutritt erst nach Einweisung durch Ansprechpersonen (S. 4)

Symbol für Biogefährdung

SupraFAB - Ebenenplan
Ebene 2
Ebene 1
Ebene 0

SupraFAB 5

Unterweisung für anlagenfremdes Personal Gen-Anlage 92/14 (S2)

Part C - Hand disinfection

Before leaving the S2 area, hands **MUST** be disinfected with **Sterillium Virugard**:

- Take 2-3 strokes from the dispenser
- Spread evenly on the hands
- Leave on for 30 seconds (see info graphic "Hygienic hand disinfection" on the right)
- Then wash hands with hand soap from the dispenser.



Hygienische Händedesinfektion
Standard-Einreibemethode für die hygienische Händedesinfektion gem. EN 1500

Schritt 1 Handfläche auf Handfläche, zusätzlich gegenseitig die Handgelenke ca. 5 Sekunden		Schritt 4 Assemblee der verschobenen Finger auf gegenüberliegende Handflächen ca. 5 Sekunden	
Schritt 2 Rechte Handfläche über linke Handgelenken- und umgekehrt ca. 5 Sekunden		Schritt 5 Kreuzende Ballen der rechten Daumen in der geschlossenen linken Handfläche- und umgekehrt ca. 5 Sekunden	
Schritt 3 Handfläche auf Handfläche mit verschränkten, gestreckten Fingern ca. 5 Sekunden		Schritt 6 Kreuzende Ballen der geschlossenen Fingerkuppen der rechten Hand in der linken Handfläche- und umgekehrt ca. 5 Sekunden	

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