

University Hospital Essen Institute for Experimental Immunology and Imaging	Hygiene Plan for the laboratories of the genetic engineering S2 facility of IMCES - Translation - (Medizinisches Forschungszentrum, 1. OG: 1.034–1.039, 3. OG: 3.027–3.035, 3.050)	Created by: Dr. Mike Hasenberg (04.09.2025) Translation: Jan-Hagen Krohn (12.11.2025) Number of pages: 5
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DO WHAT	WHEN	USING WHAT	HOW	WHO
Skin care				
Hand disinfection	After (temporary) stop of work, before leaving the lab	desmanol® care 1 Dispenser stroke (= 3 ml)	Rub onto dry hands until dry, at least 30 s	everyone
	After work with viruses, before leaving the lab			
Skin disinfection	After acute contamination of open wounds with active biological material, or after opening of fresh wounds	Sterillium® Virugard® 1 Dispenser stroke (= 3 ml)		
Washing hands	After hand disinfection	Baktolin® sensitive Liquid soap from dispenser	wash, optional	everyone
Skin care	After hand disinfection and/or cleaning, as needed	Stokoderm® Skin care product from tube	Rub onto skin, optional	everyone
Surface disinfection				
Lab surfaces incl. safety cabinets	After end of a work process	Bacillo® AF (conc.)	Wiping disinfection, soak for 15 min	everyone

DO WHAT	WHEN	USING WHAT	HOW	WHO
Lab surfaces incl. safety cabinets	After contamination with living bacteria including mycobacteria or fungi	BacilloI® AF (conc.)	Spread disinfectant over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	everyone
	After contamination with enveloped or non-enveloped viruses	Dismozon® plus (3,6 %)	Dissolve content of 16 g bag (above sink) in 444 ml water, spread this 3.6 % solution over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	everyone
Surfaces of devices and infrastructure	1x weekly (Small devices) 1x monthly (Large devices, Telephones, IT hardware and infrastructure) 1x biannually (cupboards, fridges, incubators, etc., outside and inside, shelves)	BacilloI® AF (conc.)	Wiping disinfection, soak for 15 min	IMCES
	After contamination with living bacteria including mycobacteria or fungi	BacilloI® AF (conc.)	Spread disinfectant over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	everyone
	After contamination with enveloped or non-enveloped viruses	Dismozon® plus (3,6 %)	Dissolve content of 16 g bag (above sink) in 444 ml water, spread this 3.6 % solution over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	everyone

DO WHAT	WHEN	USING WHAT	HOW	WHO
Floors	5x weekly	puresept®	Wipe and allow to dry afterwards	Cleaning personnel
	After contamination with living bacteria including mycobacteria or fungi	Bacillol® AF (conc.)	Spread disinfectant over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	everyone
	After contamination with enveloped or non-enveloped viruses	Dismozon® plus (3,6 %)	Dissolve content of 16 g bag (above sink) in 444 ml water, spread this 3.6 % solution over spilled solution and let soak for 15 min. Then wipe up with paper towels and autoclave.	
Cleaning of reusable utensils				
Disinfection of utensils contaminated with biological material	After use, before cleaning	Autoklave	121 °C, 20 min	IMCES
Cleaning of utensils	After use, after autoclaving if applicable	Lab dish washer	Complete cleaning routine	IMCES
Waste disposal				
in EMU – 1. OG				
Non-contaminated solid waste	As required, at least 1x weekly	Dispose according to UKE „Dienstanweisung zur Abfallentsorgung“		IMCES
Non-contaminated liquid waste	As required	Dispose through laboratory sink considering applicable regulations for hazardous substances . For many types of liquid waste, containers are provided which are disposed of via the central chemical waste disposal service (safety technical service).		

DO WHAT	WHEN	USING WHAT	HOW	WHO
Solid waste contaminated with active biomaterial	As required, at least 1x weekly After finishing work immediately transfer waste from EMU to LMU or user's host genetic engineering facility	Autoclave	121 °C, 20 min	IMCES or users
Liquid waste contaminated with active biomaterial	As required, at least 1x weekly After finishing work immediately transfer waste from EMU to LMU or user's host genetic engineering facility	Autoclave	121 °C, 20 min	IMCES or users
in LMU – 3. OG				
Solid waste	As required, at least 1x weekly	Autoclave	Collect waste in autoclave bags provided inside red containers with lid in all laboratories. Autoclave: 20 min, 121 °C	<i>Collection:</i> Every-one <i>Autoclaving:</i> IMCES
Liquid waste	As required, at least 1x weekly	Autoclave	Collect waste in labelled and autoclaveable containers Autoclave: 20 min, 121 °C	<i>Collection:</i> Every-one <i>Autoclaving:</i> IMCES
Clothes cleaning				
Lab coats	Routine 1x monthly or	First autoclave	Enclose in autoclave bags and autoclave: 20 min, 121 °C	IMCES
	Immediately after contamination with active bio-materials	Then central laundry service	Then transfer inside laundry bags to UKE laundry service for cleaning	

DO WHAT	WHEN	USING WHAT	HOW	WHO
Street clothes	Immediately after contamination with active bio-materials (R2/S2 and/or any GMOs)	In case of large volumes (soaking): Autoclave	Enclose affected clothes in autoclave bag and autoclave: 20 min, 121 °C	IMCES
		In case of small contamination (local/superficial): Soak area in Sterillium® Virugard®	Allow disinfectant to dry, at least 60	Everyone
		Private laundry machine	Then wash clothes in private laundry machine	Everyone

Translation provided for your convenience. In case of contradictions, the German version is to be considered authoritative.