

Common available cell culture chemicals and reagent aliquots

chemical	manufacturer	product no.	remarks	storage
2-mercaptoethanol (ME)	Gibco	31350-010	50 mM	2 – 8°C, room 2.05
Ampicillin	Sigma Aldrich	A5354	100 mg/mL, 0.2 µm filtered	-20°C, room 2.15
Aquasist	VWR	462-7000	prevents algae and bacteria formation in water bath	RT, room 2.08
bovine serum albumin (BSA)	PAN Biotech GmbH	P06-1391500		2 – 8°C, room 2.15
DAPI (4',6-diamidino-2-phenylindole dihydrochloride)	Sigma Aldrich	D8417	1 mg/mL in PBS	2 – 8°C, room 1.26 (FCCF)
DMEM, high glucose, GlutaMAX supplement	Gibco	61965-059		2 – 8°C, room 2.05
DMSO	Sigma Aldrich	D2653-5X10 ML	10 mL ampules, 1 mL aliquots, sterile	RT, room 2.08
FCS	depends on current batch; performance is checked before selection (batch details can be found below this table)		50 mL aliquots; not heat inactivated	-20°C, room 2.05 <u>upon order</u>
FCS* (IgG free FCS)	depends on current batch; IgG removal performed by lab managers		on request only	-20°C
Ficoll-Paque PLUS	GE Healthcare	17144003-6x500 ML	density: 1.077 g/mL, ready to use, sterile	2 – 8°C, room 2.05
freezing medium (10% DMSO, 90% FCS)	usage of current FCS batch; prepared by lab managers		sterile	-20°C, room 2.05
GelRed	biotinum	41003	10'000x in water	RT, room 2.08
Histopaque - 1081	Sigma Aldrich	10831-6X100 ML	density: 1.083 g/mL, ready to use, sterile filtered	2 – 8°C, room 2.05
Incuwater-clean	AppliChem	A5219,0100	100x solution, prevents microbial growth in CO ₂ -incubator water baths	2 – 8°C, room 2.05
IPTG	Carl Roth	2316.3	stock solution: 250 mg/mL in dH ₂ O	-20°C, room 2.15

dH₂O – desalted water

RT – room temperature

chemical	manufacturer	product no.	remarks	storage
Kanamycin sulfate	Gibco	15160047	10 mg/mL (100x stock)	-20°C, room 2.15
Nystatin Suspension	Sigma Aldrich	N1638-100ML	stock solution: 10'000 U/mL in DPBS	-20°C, room 2.05
Penicillin - Streptomycin [PS] (standard)	Gibco	15140-122	stock solution: 10'000 U/mL	-20°C, room 2.05
Penicillin - Streptomycin [PS] (alternative)	Sigma Aldrich	P4333-100ML	10'000 U/mL Penicillin and 10 mg/mL Streptomycin	-20°C, room 2.05
PI (Propidium iodide)	Sigma Aldrich	P4864	1 mg/mL in dH ₂ O	2 – 8°C, room 1.26 (FCCF)
Phosphate-Buffered Saline (PBS)	Th. Geyer GmbH & Co. KG	8462-5PCE	10x PBS powder for 5L	RT, room 2.31
10x Phosphate-Buffered Saline (PBS) solution	in-house preparation		unsterile	RT, room 2.31
RPMI 1640 medium, GlutaMAX supplement	Gibco	61870-044		2 – 8°C, room 2.05
SOC-medium	Sigma Aldrich	S1797-10x5 ML	0.2 µm filtered	2 – 8°C, room 2.15
sodium azide (NaN ₃ , M = 65.01 g/mol)	Sigma-Aldrich	S2002-100G	powder	RT, room 2.31, poison cabinet
sodium azide solution, 10%	in-house preparation		sterile filtered	2 – 8°C, room 2.05
Trypan Blue solution, 0.4%	Sigma Aldrich	T8154-100ML	sterile filtered	2 – 8°C, room 2.08
Trypsin-EDTA (standard)	Gibco	25300-054	0.05% Trypsin, 0.48 mM EDTA; incl. phenol red	-20°C, room 2.05
Trysin-EDTA (alternative)	Millipore	SM-2002-C	0.05% Trypsin, 0.53 mM EDTA	-20°C, room 2.05
Trysin-EDTA (alternative)	Sigma Aldrich	T4049-100ML	0.25% Trypsin, 0.68 mM EDTA	-20°C, room 2.05
X – β - Gal	Carl Roth	2315.3	stock solution: 40 mg/mL DMF	-20°C, room 2.15

DMF – dimethylformamide

dH₂O – desalted water

RT – room temperature

FCS lot	manufacturer	product no.	used until /from
S13410S1810	Biowest	S1810-500	until June 18 th 2019
35079012	Corning	35-079-CV	June 19 th 2019 – July 2022
S00KI	Biowest	S1600-500	August 2022 – September 17 th 2025
S00PW20002	Biowest	S1810-500	from September 17 th 2025

Further common available chemical substances are stored in the chemical room 2.31 (see list, attached to right corner of the shelf). A backup of main chemicals is stored in the floor cupboards in 2.31 or in the basement store room 01.27. Please be aware that all chemicals are in an alphabetic order, according to their German name. Larger containers are placed on top of the bench and not in the shelf, due to the limited height. Material safety data sheets for stored chemicals can be found in the folders on top of the shelf.

Common available **solvents** are stored in the drawers below the fume hood in lab 2.28 and in the basement storeroom 01.27 (metal cupboard “DRFZ”).

NOTE: Please inform the lab managers before the stock is running out!

Special chemicals and substances (and other consumables that only your group needs) have to be ordered via your group cost centre!