



Announcement of School of Food Industry
King Mongkut's Institute of Technology Ladkrabang
Subject: Use of other chemicals from laboratory center –
apart from a list of basic chemicals from School of Food Industry
2022

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Central Laboratory, School of Food Industry, King Mongkut's Institute of Technology Ladkrabang has provided chemical disbursement services to professors, researchers, staff, and students within the school of Food Industry. In order to make an effective management and service in chemical disbursement. Central Laboratory will provide the service to support professors, researchers, staff, and students of school to borrow other chemical substances apart from basic chemicals under the specific condition. The borrowing requisition form must be submitted seven working day prior the lending. Moreover, a lender needs to purchase those borrowing chemical substances and return to Central Laboratory within the same academic semester. The detail is as attached with the announcement.

Announcement date 6 October, 2022

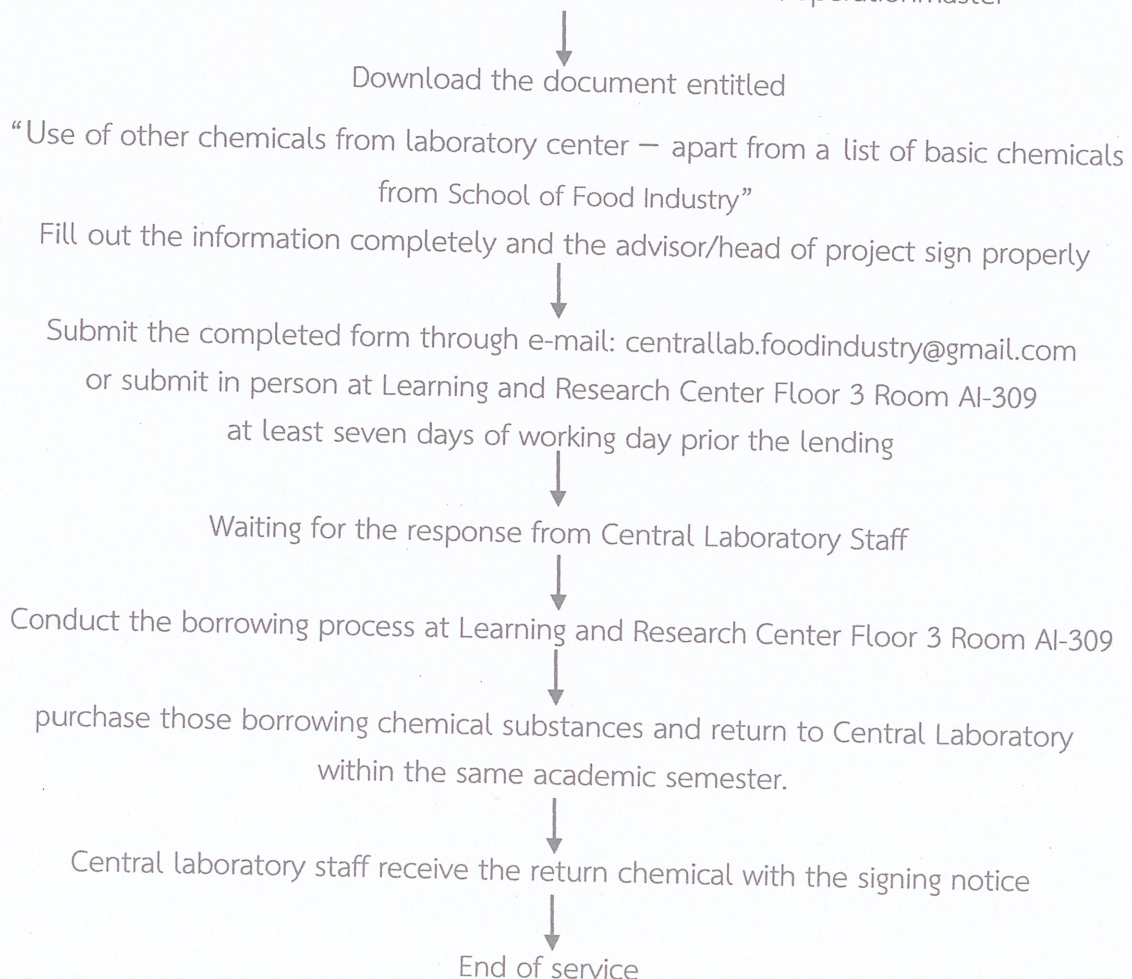
Naphatrapi

(Assoc.Prof.Dr. Naphatrapi Luangsakul)
Dean of School of Food Industry

Procedures for requesting the use of other chemicals from laboratory center – apart from a list of basic chemicals from School of Food Industry

According to the announcement of School of Food Industry re: Use of other chemicals from laboratory center – apart from a list of basic chemicals from School of Food Industry after announcement date 6 October 2022. Central Laboratory therefore prescribes the practice of borrowing for other chemical substances apart from basic chemicals as follows:

Professors, Researchers, Staff, and Students search for other chemical substances apart from basic chemicals on the faculty website by entering the topic of students then select a laboratory section
URL : <http://foodindustry.kmitl.ac.th/th/document/operationmaster>



Naphitsap

Teaching and Learning Chemicals

Central laboratory of the school of Food Industry would like to inform the list of chemicals for teaching and learning under the specific condition as follows:

Code	Chemical name
A	
A-1	Ammonium Iron (III) sulfate-12-hydrate (Ferric ammonium sulfate) (in the fridge)
A-3	L-Ascorbic acid
A-4	di-Ammonium hydrogenphosphate
A-5	Ammonium acetate
A-7	Ammonium chloride
A-8	Ammonium iron (II) sulfate (Ferrous ammonium sulfate)
A-9	Antimony(III) chloride
A-12	Ammonium ferric citrate (Ammonium iron(III) citrate)
A-14	Ammonium thiocyanate (rhodanide)
A-15	Ammonium molybdate
A-18	Albumin from bovine serum (in the fridge)
A-21	Activated Charcoal
A-23	Aluminium potassium sulphate
A-25	Amylose from potato
A-30	Amyloglucosidase (in the fridge)
A-31	Amylase (in the fridge)
A-32	L(+) Ascorbic acid sodium salt
A-33	8-amino-1-naphthalene sulfonic acid
A-34	Avicel PH-101

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Code	Chemical name
A	
A-37	Antifoam 204 (in the fridge)
A-38	Alcalase (in the fridge)
A-48	Alizarin red S mono sodium salt
B	
B-2	Benzoic acid
B-3	Boric acid
B-8	Biphenyl-4-ol (4-Phenyl phenol)
C	
C-1/1	Calcium chloride anhydrate
C-4	Calcium carbonate
C-5	Copper(II)sulfate
C-7	Calcium hydroxide
C-10	Calcium sulphate
C-11	Carboxymethylcellulose Sodium salt
C-12	L-Cysteine
C-14	Coomassie Brilliant Blue R-250
C-18	Copper(II)nitrate trihydrate
C-19	Cobalt(II)acetate tetrahydrate
C-20	Cinnamic acid
C-24	Casein alkali
C-26	Celite 545
C-27	Chlorogenic acid
C-29	alpha-Cellulose
C-30	Calcium gluconate monohydrate
C-31/1	Casein sodium salt from bovine milk

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Code	Chemical name
D	
D-2	Dimethylglyoxime(2,3-Butane dionedioxime)
D-8	1,5 Diphenylcarbazone
D-8/1	1,5 Diphenylcarbazide
D-9	2,2 Diphenyl-1-picryl-hydrazyl (DPPH) (in the freeze)
E	
E-1	EDTA(ethylene diamine tetraacetic acid disodium salt)
E-2	EGTA(ethylene glycol-bis[B-aminoethy ether]N,N,N N tetraacetic acid)
E-3	Esculin hydrate
F	
F-1	Iron(II) sulfate heptahydrate
F-3	Iron(III) chloride anhydrous
F-3/1	Iron(III) chloride hexahydrate
F-5	Iron(III) phosphate
G	
G-1	Glucose anhydrous
G-4	Gallic acid monohydrate
G-7	L-glutamic acid
G-8	D(+) galactose
G-9	Gelatin
G-14	Glycerol 2-phosphate disodium salt
H	
H-3	trans-4-hydroxy -1-proline
H-5	p-Hydroxybenzoic acid n-butyl ester
H-7	Hydrazinium sulphate

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Code	Chemical name
I	
I-1	Iodine resublimed
ID	
ID-1	Calcine metal
ID-2	Bromocresol green
ID-2	Bromocresol green
ID-4	Ninhydrin
ID-5	Calconcarboxylic acid metal
ID-6	Methyl red
ID-7	Phenolphthalein
ID-8	Methylene blue
ID-11	Methylene blue tablets
ID-12	Phenol red
ID-13	Resazurine
ID-14	Murexide
ID-17	Bromophenol blue
ID-18	Thymolblue
ID-19	Ferriin indicator solution
ID-20	Bromothymol Blue
ID-21	Diphenylcarbazid
ID-22	8-Anilino-1-naphthalene-sulfonic acid
ID-23	Methyl green
ID-24	Parafuchsin hydrochloride
ID-26	Azure B Certified
ID-27	Azure II Eosin
ID-29	2,7 dichloro Fluorescein

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Code	Chemical name
ID	
ID-31	Methyl violet
ID-34	Xylene cyanol
K	
K-1	Kiesegur 60 G
L	
L-1	Lead(II)acetate trihydrate
L-4	L-Lysine monohydrochloride (in the fridge)
L-5	Lanthanum(III)oxide
L-11	N-Laurylsarcosine
L-15	Lithium lactate
L-16	Leucin (in the fridge)
M	
M-1	Magnesium sulfate heptahydrate
M-2	Manganese (II) sulfate monohydrate
M-4	Mercury (II) iodide red
M-5	Magnesium chloride
M-6	N,N-methylene-bis-acrylamide for electrophoresis
M-8	Mercury(II)nitrate
M-11	Malic acid
M-15	Maltose monohydrate for biochem
M-16	D(+) mannose
M-17	Maltodextrin
M-18	3-Methyl-1-phenyl-2-pyrazolin-5
M-19	Magnesium carbonate

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Code	Chemical name
M	
M-20	Maganess(II) chloride
M-23	Myo-Inositol (in the fridge)
M-24	Mercury(II) sulphate
N	
N-1	N-(1-Naphthyl)-ethylenediamine dihydrochloride
N-2	3,5 dinitrosalicylic acid
N-6	Naringin
O	
O-1	Oxalic acid
O-4	Octylamine
P	
P-1	Potassium hydroxide
P-2	Potassium sodium tartrate
P-3	Potassium chromate
P-4	Potassium hydrogen phthalate
P-5	Potassium sulphate
P-6	Potassium chloride
P-9	Potassium permanganate
P-10	Potassium sorbate
P-12	Potassium iodide
P-13	di-Potassium hydrogen phosphate-3-hydrate
P-13/1	Potassium phosphate dibasic anhydrous
P-14	meta-phosphoric acid
P-15	1,10-Phenanthrolin (monohydrate)

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Code	Chemical name
P	
P-16	Potassium ferricyanide
P-17	Potassium dichromate
P-19	Potassium nitrate
P-24	Potassium dihydrogen phosphate
P25/1	Saturated phenol (in the fridge)
P-26	Potassium thiocyanate
P-29	Potassium tellurite (in the fridge)
P-32	Pectinase (in the fridge)
P-38	Palmitic acid
P-43	di-Phosphorus pentoxide
P-48	Potassium carbonate
P-49	Protease from Bacillus (in the fridge)
P-52	Polyethylene glycol 6000
P-53	Potassium peroxodisulfate
P-54	1,4-Phenylenediammonium dichloride (Anal)
P-55	Polyvinylpyrrolidone
R	
R	Rennet
S	
S-1	Sodium phosphate
S-2	Sodium tungstate
S-3	Sodium carbonate anhydrous
S-4	Sodium nitrite
S-5	Silver nitrate

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Code	Chemical name
S	
S-6	di-sodium hydrogenphosphate anhydrous
S-6/3	di-sodium hydrogenphosphate dodecahydrate
S-7	Sodium hydroxide
S-8	Sodium sulphate anhydrous
S-9	Sodium nitrate
S-10	Sodium metabisulfite (Sodium disulfite)
S-11	Sodium iodide
S-12	Sodium oxalate
S-13	Sodium thiosulphate pentahydrate
S-14	tri-Sodium citrate
S-15	Sodium chloroacetate
S-16	Sodium dihydrogen orthophosphate
S-17	Sodium acetate
S-17/1	Sodium acetate trihydrate
S-21	Sodium hydrogen carbonate (Sodium bicarbonate)
S-22	Sulfanilamide
S-24	Starch
S-25	Sodium azide
S-26	Sodium chloride
S-29	di-sodium tetraborate-10-hydrate (borax)
S-30	Silver sulphate
S-31	tetra-sodium diphosphate decahydrate
S-32	Sodium sulfite
S-37	Sodium arenite
S-45	Soda lime

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Code	Chemical name
S	
S-52	Sodium laurylsulfate (SDS)
S-53	Sodium Caseinate
T	
T-1	Trichloroacetic acid
T-2	Thiobarbituric acid
T-4	Thiamine chloride hydrochloride (Vitamin B1)
T-5	Tungsto phosphoric acid hydrate
T-6	Trizma base(T6066)
T-6/1	tris (hydroxymethyl) aminomethane
T-7	Thymol crystal
T-8	Thiourea
T-11	Thiabendazole
T-14	Tannic acid
U	
U-1	Uranyl acetate
U-3	Uracil
X	
X-1	Xylose
Z	
Z-2	Zinc acetate

John

Code	Chemical name
Solution reagent	
SA	
SA-1	Glacial acetic acid
SA-2	Ammonia Solution (Ammonium hydroxide)
SA-3	Acetone
SA-4	Amyl alcohol
SA-9	Antifoaming silicone liquid
SB	
SB-3	bicinchoninic acid
SC	
SC-1	Chloroform
SC-3	Cumyl hydroperoxide (in the fridge)
SD	
SD-1	DMSO(Dimethyl sulfoxice)
SE	
SE-1	Absolute ethanol 99.5%
SE-3	Ether
SF	
SF-1	Formaldehyde 37%
SF-3	Folin and Coaculteu's phenol reagent (in the fridge)
SH	
SH-1	Hydrochloric acid
SH-2	Hydrogenperoxide 30%

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Code	Chemical name
Solution reagent	
SH	
SH-3	Hexanes
SH-4	Cyclohexane
SM	
SM-1	Methanol
SN	
SN-1	Nitric acid
SP	
SP-2	Petroleum ether (Petroleum spirit, Petroleum benzene) 40-60%
SP-3	Petroleum ether 80-100%
SP-5	Propylene glycol
SP-6	ortho-phosphoric acid
SP-8	2-Propanol (Isopropyl alcohol)
SS	
SS-1	Sulfuric acid
SW	
SW-1	Wijs' reagent

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Code	Chemical name
Media	
MA	
MA-1	Agar
MA-2	Anaerotest
MA-3	Anaerocult A
MA-4	Antiserum Polyvalent A-I
MB	
MB-1	BAIRD-PARKER-Agar (BP agar)
MB-2	Brain heart broth
MB-4	Brilliant-green bile lactose broth (BGLB)
MB-6	Buffered Peptone Water
MC	
MC-2	Cooked meat medium
MC-3	Cereus selective agar (MYP agar)
MC-4	Cetrimide Agar Base
MD	
MD-1	D(+) -Glucose Monohydrate Dextrose
MD-2	Dichloran glycerol DG 18
ME	
ME-1	EMB agar
ME-2	m Endo broth LES
ME-3	Extract of meat dry(beef extract)
ME-4	EC broth
ME-5	Enterococcus Agar

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Code	Chemical name
Media	
MI	
MI-1	Immersion oil
MK	
MK-1	Kovac indole Reagent
MH	
MH-1	Hektoen enteric Agar
MH-2	HM Extract Powder
ML	
ML-1	Lauryl sulphate broth
ML-3	Lactose Monohydrate for microbiology
MM	
MM-1	MIL-medium (LIM-medium)
MM-2	Malt extract
MM-3	Maltose for microbiology
MM-8	MKTTn broth
MP	
MP-2	Peptone (Peptone from meat)
MP-3	Potato dextose agar (PDA)
MP-4	Potato dextose broth (PDB)
MP-5	Plate Count Agar
MP-6	Soytone (Peptone from soymeal)
MP-7	Tryptone (Peptone from soymeal)

John

Code	Chemical name
Media	
MR	
MR-2	Rabbit plasma with EDTA
MR-3	RVS broth
MR-4	Rappaport vassiliadis R10 broth
MS	
MS-3	Simmons Citrate agar
MS-4	Skim milk powder
MS-7	Sucrose for microbiology
MT	
MT-2	Tryptic Soy Agar (TSA)
MT-3	Tryptic Soy Broth (TSB)
MT-5	Triple Sugar Iron agar
MT-7	TCBS agar
MU	
MU-1	Urea Agar Base
MX	
MX-1	XLD agar
MY	
MY-1	Yeast extract powder type1
MY-2	Yeast Nitrogen Base

Shw