

Chemical code	Chemical name	Molecular formula
A		
A-1	Ammonium Iron (III) sulfate-12-hydrate (Ferric ammonium sulfate) ในตู้เย็น	$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
A-2	Ammonium sulfate	$(\text{NH}_4)_2\text{SO}_4$
A-3	L-Ascorbic a	$\text{C}_6\text{H}_8\text{O}_6$
A-7	Ammonium chloride	NH_4Cl
A-8	Ammonium iron (II) sulfate (Ferrous ammonium sulfate)	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
A-10	di-Ammonium hydrogen citrate (Ammonium citrate dibasic)	$(\text{NH}_4)_2\text{C}_6\text{H}_6\text{O}_7$
A-14	Ammonium thiocyanate (Rhodanide)	NH_4SCN
A-19	Acrylamide for eletrophoresis	$\text{CH}_2\text{CHCONH}_2$
A-20	Ammonium persulfate (for eletrophoresis) ในตู้เย็น	$(\text{NH}_4)_2\text{S}_2\text{O}_8$
A-21	Activated Charcoal	
A-23	Aluminium potassium sulphate	$\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
A-25	Amylose from potato	$(\text{C}_6\text{H}_{10}\text{O}_5)_n$
A-27	Adenosine-5' -triphosphate ในตู้เย็น	$\text{C}_{10}\text{H}_{14}\text{N}_5\text{O}_{13}\text{P}_3\text{Na}_2$
A-32	L(+) Ascorbic acid sodium salt	$\text{C}_6\text{H}_7\text{NaO}_6$
A-33	8-amino-1-naphthalene sulfonic acid	$\text{C}_{16}\text{H}_{13}\text{N}_2\text{O}_3\text{S}$
A-34	Avicel PH-101	
B		
B-2	Benzoic acid	$\text{C}_6\text{H}_5\text{COOH}$
B-3	Boric acid	H_3BO_3
B-12	6-Benzylaminopurine (BA) ในตู้เย็น	$\text{C}_{12}\text{H}_{11}\text{N}_5$
C		
C-1	Calcium chloride dihydrate	$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$
C-3	Cobalt (II) -sulfate	$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$
C-4	Calcium carbonate	CaCO_3
C-5	Cupper (II) sulfate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

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C-6	2,6 dichlorophenolindo-phenol Sodium salt dihydrate	$C_{12}H_6Cl_2NNaO_2 \cdot 2H_2O$
C-7	Calcium hydroxide	$Ca(OH)_2$
C-8	citric acid	$C_6H_8O_7 \cdot H_2O$
C-9	calcium acetate	$(CH_3COO)_2Ca \cdot xH_2O$
C-10	Calcium sulphate	$CaSO_4 \cdot 2H_2O$
C-11	Carboxymethyl cellulose (CMC)	
	Carboxymethyl cellulose Sodium salt	
C-12	L-Cysteine	$C_3H_7NO_2S$
C-13	Curcumin ในตู้เย็น	
C-14	Coomassie Brilliant Blue R-250	
C-15	Coomassie Brilliant Blue G-251	
C-16	Catechol / Pyrocatechol	$C_6H_6O_2$
C-18	Copper (II) nitrate trihydrate	$Cu(NO_3)_2 \cdot 3H_2O$
C-19	Cobalt (II) acetate tetrahydrate	$(CH_3COO)_2Co \cdot 4H_2O$
C-20	Cinnamic acid	$C_9H_8O_2$
C-24	Casein alkali	
C-26	Celite 545	
C-27	Chlorogenic acid	$C_{16}H_{18}O_9$
C-29	alpha-cellulose	
C-30	Calaium gluconate monohydrate	$C_{12}H_{22}CaO_{14} \cdot xH_2O$
C-31/1	Casein sodium salt from bovine milk	
C-32	b-Carotene ในตู้เย็น	
C-33	Cethylpyridium chloride	$C_{21}H_{38}ClNH_2O$
C-34	Cycloheximide ในตู้เย็น	
D		
D-1	Diatomaceous earth (Celite)	
D-2	Dimethyglyoxime (2,3-Butane dionedioxime)	$C_4H_8N_2O_2$
D-4	Dicloxacillin sodium monohydrate ในตู้เย็น	$C_{19}H_{16}Cl_2N_3O_5SNa \cdot H_2O$
D-5	Diaceyl(2,3 butanediol) ในตู้เย็น	$C_4H_6O_2$
D-6	Dansyl cadavine (mono) ในตู้เย็น	$C_{17}H_{25}N_3SO_2$

Chemical code	Chemical name	Molecular formula
D-8	1,5Diphenylcarbazone	$C_{13}H_{12}N_4O$
E		
E-1	EDTA (Ethylene diamine tetraacetic acid disodium salt)	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
E-2	EGTA (Ethylene glycol-bis [B-aminoethy ether] N,N,N N tetraacetic acid)	$C_{14}H_{24}N_2O_{10}$
E-3	Esculin hydrate	$C_{15}H_{16}O_9$
F		
F-1	Iron (II) sulfate.heptahydrate	$FeSO_4 \cdot 7H_2O$
F-2	Iron (II) chloride tetrahydrate (Ferrous chloride)	$FeCl_2 \cdot 4H_2O$
F-3/1	Iron (III) chloride hexahydrate	$FeCl_3 \cdot 6H_2O$
F-5	Iron (III) phosphate	$FePO_4 \cdot 4H_2O$
G		
G-1	Glucose anhydrous	$C_6H_{12}O_6$
G-2	Glycine	$C_2H_5NO_2$
G-7	L-glutamic acid	$C_5H_9NO_4$
G-8	D (+) galactose	$C_6H_{12}O_6$
G-9	Gelatin	
G-14	Glycerol 2-phosphate disodium salt	$C_3H_7Na_2O_6P$
H		
H-1	Histamine hydrochloride เก็บใน freezer	
H-2	4-Hexylresorcin	$C_{12}H_{18}O_2$
H-3	trans-4-hydroxy -1-proline	$C_5H_9NO_3$
H-5	p-Hydroxybenzoic acid n-butyl ester	$C_{11}H_{14}O_3$
H-6	L-Histidine ในตู้เย็น	$C_6H_9N_3O_2$
I		
I-1	Iodine resublimed	I_2
ID (Indicator and dye)		
ID-1	Calcine metal	$C_{30}H_{26}N_2O_{13}$

Chemical code	Chemical name	Molecular formula
ID-4	Ninhydrin	$C_6H_4.CO.CO.CO.H_2O$
ID-5	Calconcarboxylic acid metal	$C_{21}H_{14}N_2O_7S \cdot 3H_2O$
ID-6	Methyl red	$C_{15}H_{15}N_3O_2$
ID-7	Phenolphthalein	$C_{20}H_{14}O_4$
ID-9	Methyl orange	$C_{14}H_{14}N_3NaO_3S$
ID-10	Safanin O	$C_{20}H_{19}ClN_4$
ID-13	Resazurine	$C_{12}H_6NNaO_4$
ID-14	Murexide	$C_8H_8N_6O_6$
ID-17	Bromophenol blue	$C_{19}H_{10}Br_4O_4S$
ID-18	Thymolblue	$C_{27}H_{30}O_5S$
ID-19	Ferroun indicator solution	
ID-20	Bromothymol Blue	$C_{27}H_{18}Br_2O_5S$
ID-21	Diphenylcarbaid	$C_{13}H_{14}N_4O$
ID-22	8-Anlino-1-naphthalene-sulfonic acid	
ID-23	Methyl green	$C_{27}H_{35}Cl_2N_3 \cdot ZnCl_2$
ID-24	Parafuchsin hydrochloride	$C_{19}H_{18}ClN_3$
ID-26	Azure B Cerlified	
ID-27	Azure II Eosin	
ID-29	2,7 dichloro Fluorescein	$C_{20}H_{10}Cl_2O_5$
ID-31	Methyl violet	
ID-34	Xylene cyanol	
K		
K-1	Kiesegur 60 G	
L		
L-1	Lead (II) acetaed trihydrate	$(CH_3COO)_2Pb \cdot 3H_2O$
L-2	Lactose monohyrate	$C_{12}H_{22}O_{11}$
L-3	Lauryl sulfate (SDS:Sodium dodecylsulfate)	$C_{12}H_{25}O_4SNa$
L-3/1	Lauryl sulfate (SDS:Sodium dodecylsulfate) for eletrophoresis	$C_{12}H_{25}O_4SNa$
L-5	Lanthanum (III) oxide	La_2O_3
L-8	Limonin ในตู้เย็น	
L-9	Linamarase from cassava (EC 3.2.1.21) ใน freezer	
L-11	N-Laurylsarcosine	$C_{15}H_{28}NNaO_3$

Chemical code	Chemical name	Molecular formula
L-15	lithium lactate	$C_3H_5LiO_3$
L-16	Leucin ในตู้เย็น	$C_6H_{13}NO_2$
M		
M-1	Magnesium sulfate heptahydrate	$MgSO_4 \cdot 7H_2O$
M-2	Manganese (II) sulfate monohydrate	$MnSO_4H_2O$
M-3	Magnesium oxide	MgO
M-4	Mercury (II) jodid red	$HgJ_2 \ HgI_2$
M-5	Magnesium chloride	$MgCl_2 \cdot 6H_2O$
M-6	N,N-methylene-bis-acrylamide for eletrophoresis	$C_7H_{10}N_2O_2$
M-7	2-mercapto ethanol ในตู้เย็น	$HSCH_2CH_2OH$
M-8	Mercury (II) nitrate	$Hg(NO_3)_2 \cdot H_2O$
M-11	Malic acid	$C_4H_6O_5$
M-13	Myosin ใน freezer	
M-15	Maltose monohydrate for biochem เตรียมอาหารตุ๋น MM-3	$C_{12}H_{22}O_{11}H_2O$
M-16	D(+) mannose	$C_6H_{12}O_6$
M-18	3-Methyl-1-phenyl-2-pyrazolin-5	$C_{10}H_{10}N_2O$
M-20	Maganess (II) chloride	$MnCl_2 \cdot 4H_2O$
M-23	Myo-Inositol	$C_6H_{12}O_6$
N		
N-1	N-(1-Naphthyl)-ethylenediamine dihydrochloride	$C_{12}H_{16}Cl_2N_2$
N-2	3,5 dinitrosalicylic acid	$C_7H_4N_2O_7$
N-3	2-Nitrophenol	$C_6H_5NO_3$
N-6	Naringin	$C_{27}H_{32}O_{14}$
N-8	1-Naphthalamine ในตู้เย็น	
O		
O-1	Oxalic acid	$(COOH)_2 \cdot 2H_2O$
P		
P-1	Potassium hydroxide	KOH
P-2	Potassium sodium tartrate	$COOK(CHOH)_2COONa$

Chemical code	Chemical name	Molecular formula
P-3	Potassium chromate	K_2CrO_4
P-4	Potassium hydrogen phthalate	$C_8H_5KO_4$
P-5	Potassium sulphate	K_2SO_4
P-6	Potassium chloride	KCl
P-9	Potassium permanganate	$KMnO_4$
P-10	Potassium sorbate	$KC_6H_7O_2$
P-11	Potassium iodate	KIO_3
P-12	Potassium iodide	KI
P-13	di-Potassium hydrogen phosphate-3-hydrate	$K_2HPO_4 \cdot 3H_2O$
P-13/1	Potassium phosphate dibasic anhydrous	K_2HPO_4
P-14	meta-phosphoric acid	$(HPO_3)_n$
P-15	1,10-Phenanthroline (monohydrate)	$C_{12}H_8N_2H_2O$
P-16	Potassium hexacyanoferrate (III)	$K_3[Fe(CN)_6]$
	Potassium ferricyanide	
P-17	Potassium dichromate	$K_2Cr_2O_7$
P-19	Potassium nitrate	KNO_3
P-24	Potassium dihydrogen phosphate	KH_2PO_4
P-29	Potassium tellurite ในตู้เย็น	K_2TeO_3
P-35	L- α -phosphatidylinositol ในตู้เย็น	
P-36	L- α -phosphatidic acid ในตู้เย็น	
P-38	Palmitic acid	$C_{16}H_{32}O_2$
P-41	Phthalaldehyde for fluorescence ในตู้เย็น	$C_8H_6O_2$
P-42	Phthalaldehyde for synthesis ในตู้เย็น	$C_8H_6O_2$
P-43	diphosphorus pentoxide	P_2O_5
P-52	Polyethylene glycol 6000	
P-53	Potassium peroxodisulfate	$K_2O_8S_2$
P-54	1,4-Phenylenediammonium dichloride (Anal)	$C_6H_{10}Cl_2N_2$
P-55	Polyvinylpyrrolidone	$(C_6H_9NO)_n$
R		
S		
S-1	Sodium phosphate	Na_3PO_4
	Tri sodium orthophosphate	$Na_3PO_4 \cdot 12H_2O$
S-2	Sodium tungstate	$Na_2WO_4 \cdot 2H_2O$

Chemical code	Chemical name	Molecular formula
S-3	Sodium carbonate anhydrous	Na_2CO_3
S-4	Sodium nitrite	NaNO_2
S-5	Silver nitrate	AgNO_3
S-6	di-sodium hydrogenphosphate anhydrous	Na_2HPO_4
S-6/2	di-sodium hydrogenphosphate anhydrous-7-hydrate	$\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$
S-6/3	di-sodium hydrogenphosphate dodecahydrate	$\text{HNa}_2\text{O}_4\text{P} \cdot 12\text{H}_2\text{O}$
S-7	Sodium hydroxide	NaOH
S-8	Sodium Tartate dihydrate	$\text{C}_4\text{H}_4\text{Na}_2\text{O}_6 \cdot 2\text{H}_2\text{O}$
S-9	Sodium nitrate	NaNO_3
S-10	Sodium metabisulfite (Sodium disulfite)	$\text{Na}_2\text{S}_2\text{O}_5$
S-12	Sodium oxalate	$(\text{COONa})_2$
S-13	Sodium thiosulphate pentahydrate	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
S-14	tri-Sodium citrate	$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
S-15	Sodium chloroacetate	$\text{C}_2\text{H}_2\text{ClN}_2\text{O}_2$
S-16	Sodium dihydrogen orthophosphate	$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
S-17	Sodium acetate	CH_3COONa
S-17/1	Sodium acetate trihydrate	$\text{CH}_3\text{COONa} \cdot 3\text{H}_2\text{O}$
S-21	Sodium hydrogen carbonate (Sodium bicarbonate)	NaHCO_3
S-22	Sulfanilamide	$\text{C}_6\text{H}_8\text{N}_2\text{O}_2\text{S}$
S-23	Sodium benzoate	$\text{C}_6\text{H}_5 \cdot \text{COONa}$
S-25	Sodium azide	NaN_3
S-26	Sodium chloride	NaCl
S-29	di-sodium tetraborate-10-hydrate (borax)	$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$
S-30	Silver sulphate	Ag_2SO_4
S-31	tetra-sodium diphosphate decahydrate	$\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$
S-37	Sodium arenite	NaAsO_2
S-40	Sodium (meta) periodate	NaJO_4
S-41	Sucrose (Saccharose)	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$
S-43	Semicarbazide hydrochloride ในตู้เย็น	
S-44	5-Sulfosalicylic acid	$\text{C}_7\text{H}_6\text{O}_6\text{S} \cdot 2\text{H}_2\text{O}$
S-45	Soda lime	

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T		
T-1	Trichloroacetic acid	CCl_3COOH
T-2	Thiobarbituric acid	$\text{NHCOCH}_2\text{CO.NHCS}$
T-3	L(+)-tartaric acid	$\text{HOOC}(\text{CHOH})_2\text{COOH}$
T-4	Thiamine chloride hydrochloride (Vitamin B1)	$\text{C}_{12}\text{H}_{17}\text{ClN}_4\text{OS.HCl}$
T-5	Tungsto phosphoric acid hydrate	$\text{H}_3[\text{P}(\text{W}_3\text{O}_{10})_4] \cdot x\text{H}_2\text{O}$
T-6	tris (hydroxymethyl) aminomethane	$\text{C}_4\text{H}_{11}\text{NO}_2$
	Trizma base(T6066) ปี 51	
T-7	Thymol crystal	$\text{C}_{10}\text{H}_{14}\text{O}$
T-8	Thiourea	H_2NCSNH_2
T-11	Thiabendazole	$\text{C}_{10}\text{H}_7\text{N}_3\text{S}$
T-14	Tannic acid	
T-15	Triethylene-tetramine (for GC)	$\text{C}_6\text{H}_{18}\text{N}_4$
T-16	Tryptophan	$\text{C}_{11}\text{H}_{12}\text{N}_2\text{O}_2$
U		
U-1	Uranyl acetate	$(\text{CH}_3\text{COO})_2\text{UO}_2 \cdot 2\text{H}_2\text{O}$
U-3	Uracil	
V		
V-1	Vitamin B12 (cyanobalamin) ในตู้เย็น	$\text{C}_{63}\text{H}_{88}\text{CoN}_{14}\text{O}_{14}\text{P}$
X		
X-1	Xylose	$\text{C}_5\text{H}_{10}\text{O}_5$
Z		
Z-2	Zinc acetate	$\text{Zn}(\text{CH}_3(\text{CO}))_2 \cdot 2\text{H}_2\text{O}$
Z-3	Zinc staub	Zn
Solution reagent		
SA-1	Glacial acetic acid	CH_3COOH
SA-2	Ammonia Solution (Ammonium hydroxide)	NH_4OH
SA-3	Acetone	CH_3COCH_3

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SA-8	Acetyl chloride ในตู้เย็น	C_2H_3OCl
SB-1	1-Butanol (n-butylalcohol)	$CH_3(CH_2)_3OH$
SB-3	bicinchonic acid	
SB-4	Boron trifluoride methanal complex ในตู้เย็น	CH_4BF_3O
SC-1	Chloroform	$CHCl_3$
SC-2	Caprylic acid methyl ester ใน freezer	$C_9H_{18}O_2$
SD-2	diethylene triamine D1551GC	$C_4H_{13}N_3$
SE-1	Absolute ethanol 99.5%	CH_3CH_2OH
SE-2	Ethyl acetate	$C_4H_8O_2$
SE-3	Ether	$(C_2H_5)_2O$
SE-4	Ether methyl ketone	$CH_3COCH_2CH_3$
SE-5	Eugenol	
SF-1	Formaldehyde	$HCOH$
SF-3	Folin and Coaculteu's phenol reagent ในตู้เย็น	
SF-4	Formamide	CH_3NO
SG-1	Glyserol	$C_3H_8O_3$
SG-3	Glycerine	
SH-1	Hydrochloric acid	HCl
SH-3	Hexanes	C_6H_{14}
SH-4	Cyclohexane	C_6H_{12}
SH-5	Heptane	$CH_3(CH_2)_5CH_3$
SH-6	Hydroxylamide	
SH-7	Hexanal	
SI-2	Isoctane (2,2,4 trimethyl pentane)	C_8H_{18}
SM-1	Methanol	CH_3OH
SM-2	Methylene chloride (dichloro methane)	CH_2Cl_2
SM-3	Sodium methylate solution	
SN-1	Nitric acid	HNO_3
SO-2	Olive oil	
SP-1	Perchloric acid	$HClO_4$
SP-2	Petroleum ether 40-60% (Petroleum spirit, Petroleum benzene)	
SP-4	Pyridina (Pyridine)	C_5H_5N

Chemical code	Chemical name	Molecular formula
SP-6	ortho-phosphoric acid	H_3PO_4
SP-8	2-Propanol (Isopropyl alcohol)	$CH_3CHOHCH_3$
SS-1	Sulfuric acid	H_2SO_4
SS-2	Sodium hypochlorite	$NaClO \cdot 5H_2O$
SS-3	Sodium lactate solution about 50%	$C_3H_5NaO_3$
ST-2	Toluene	$C_6H_5CH_3$
ST-3	Temed(N,N,N,N tetramethylenediamine) for eletrophoresis	$C_6H_{16}N_2$
ST-4	3-(treiethoxysilyl)-propylamin	
ST-7	Tween 40	
ST-9	Tween 80	
ST-10	Triton x-100	$C_8H_{17}C_6H_4(OCH_2CH_2)_nOH$
Media		
MA-1	Agar	
MD-1	D (+) -Glucose Monohydrate หรือ Dextrose	
ME-3	Extract of meat dry(beef extract)	
MK-1	Kovac indole Reagent	
ML-3	Lactose Monohydrate for microbiology	
MM-1	MIL-medium (LIM-medium)	
MM-2	Malt extract	
MP-2	Peptone (Peptone from meat)	
MP-6	Soytone (Peptone from soymeal)	
MP-7	Tryptone (Peptone from soymeal)	
MY-1	Yeast extract	