

	A	B	C	D	E	F	G	H	I
1	Biocenter Oulu								
2	General chemical list 2008								
3	Haittakoodien selitykset löytyvät työterveyslaitoksen www-sivulta http://kappa.ttl.fi/kemikaalikortit/								
4	The explanation of the risk notes and safety phrases is available at http://www.ilo.org/public/english/protection/safework/cis/products/icsc/								
5	Lisätietoa haitallista aineista on saatavissa osoitteessa www.finlex.fi päätös 624/2001								
6	More information about hazardous substances is available at www.finlex.fi decision number 624/2001								
7	Suomenkieliset käyttöturvallisuustiedotteet löytyvät myös OneMed-yhtiön sivuilta http://www.onemed.com/onemed/onemedwww.nsf/sp3?Open&cid=Content69A65								
8									
9	Reagent	Finnish name/ Explanations	CAS	EC	Hazard Codes Varoitus- merkit	Risk Statements R-lausekkeet	Safety Statements S-lausekkeet	Classification Luokitus	ASA code ASA n:ro
10									
11									
12	acetaldehyde	asetaldehydi	75-07-0	200-836-8	F+; Xn	12-36/37-40	16-33-36/37	F+;R12;Carc. Cat. 3; R40;Xi;R36/37	
13	acetic acid	etikkahappo	64-19-7	200-580-7	C	R10-35	23-26-45	R10;C;R35	
14	Acetic anhydride	etikkahappoanhydridi	108-24-7	203-564-8	C	R10-20/22-34	26-36/37/39-45	R10;Xn;R20/22;C;R34	
15									
16	Acetone	asetoni	67-64-1	200-622-2	F, Xi	11-36-66-67	16-26-9	F;R11;Xi;R36;R66;R67	
17	Acid fuchsin calcium salt		123334-10-1				22-24/25		
18	Acridine orange	akridiinioranssi	65-61-2	200-614-0			22-24/25 (hydrochloride hydrate)		
19	Acrylamide/Bis	akryyliamidi	79-06-1	201-173-7	T	45-46-20/21-25-36/38-43-48/23/24/25-62	53-45	Carc.Cat 2;R45;Muta. Cat. 2; R46; Repr. Cat 3;R62;T;R25-48/23/24/25;Xn;R20/21;Xi; R36/38;R43	137
20	Agarose	agaroosi	9012-36-6	232-731-8					
21	Albumin bovine fraction V	albumiini, fraktio 5	9048-46-8	232-936-2					
22	Aluminium sulfate	alumiinisulfaatti	10043-01-3	233-135-0	Xi	37/38-41	26-39		
23	Ammonium acetate	ammoniumasettaatti	631-61-8	211-162-9					
24	Ammonium chloride	ammoniumkloridi	12125-02-9	235-186-4	Xn	22-36	22		
25	Ammonium ferric sulfate dodecahydrate	ammoniumferri-sulfaatti	7783-83-7		Xi	36/38	26-36/37		
26	Ammonium hydroxide solution	ammoniakki	1336-21-6	215-647-6	C, N	34-50	26-36/37/39-45-61	C; R34;N;R50	
27	Ammonium persulfate	ammonium persulfaatti	7727-54-0	231-786-5	O, Xn	8-22-36/37/38-42/43	22-24-26-37		
28	Ampicillin	ampisilliini	69-52-3	200-708-1	Xi	42/43	22-36/37-45		
29	Aprotinin	aprotiini	9087-70-1	232-994-9	Xn	42/43	22		
30	Basic fuchsin or pararosaniline hydrochloride or Schiff's reagent or C.I. Basic Red 9	Schiffin emäs	569-61-9	209-321-2	T	45	53-45		165
31	Biotin	biotiini	58-85-5	200-399-3					
32	1,4 - Bis(acryloyl)piperazine		6342-17-2		Xi	36/37/38	26-36		
33	Borax solution = sodium borate solution	borax - liuos	1303-96-4				24/25		
34	Boric acid	boorihappo	10043-35-3	233-139-2					
35	Brilliant Blue G, same as Coomassie Brilliant Blue G	coomassie sininen	6104-58-1	228-058-4			22-24/25		
36	Bromophenol Blue	bromifenolisininen	115-39-9	204-086-2			22-24/25		
37	Butanol-1	butanoli	71-36-3	200-751-6	Xn	10-22-37/38-41-67	7/9-13-26-37/39-46	R10;Xn;R22;Xi;R37/38-41;R67	
38	Butvar B-98 or polyvinyl butyral resin	polyvinyyli -voihappoharts	63148-65-2		Xi	36/37/38	26-36		
39	Calsium chloride	kalsiumkloridi	10043-52-4	233-140-8	Xi	36	22-24	Xi;R36	
40	CAPS = 3-(cyclohexylamino)-1-propanesulfonic acid	CAPS	1135-40-6	214-492-1			22-24/25		
41	Casein	kaseiini, maitojauhe	9000-71-9	232-555-1					
42	Celestine blue		1562-90-9	216-346-2			22-24/25		
43	Cellulose acetate butyrate	selluloosan johdannainen	9004-36-8				22-24/25		
44	Chloramphenicol	kloramfenikoli	56-75-7	200-287-4	T	45	53-45		
45	Chloroform	kloroformi	67-66-3	200-663-8	Xn	22-38-40-48/20/22	36/37	Xn;R22-48/20/22;Xi;R38;Carc.Cat.3 ;R40	106
46	Chloroquine diphosphate salt	klorokiini	50-63-5	200-055-2	Xn	22	22-24/25		
47	4-Chloro-DL-phenylalanine		7424-00-2	231-051-9	T	25-43	36/37-45		
48	Chromium(III) potassium sulfate dodecahydrate	kaliumkromisulfaatti	7788-99-0				22-24/25		
49	Chromotrope 2R		4197-07-3	224-085-0	Xi	36/37/38	26-36		
50	Citric acid monohydrat	sitruunahapon monohydraatti	5949-29-1	201-069-1	Xi	37/38-41	26-36/37/39		
51	Collagen from rat tail	kollageeni rotan hännästä	9007-34-5	232-697-4					
52	Collagenase from Clostridium histolyticum	kollageenaasi	9001-12-1	232-582-9	Xn	36/37/38-42	22-24-26-36/37		
53	Crystal Violet	kristallinvioletti	548-62-9		T,N	45-22-41-50/53	53-26-39-45-60-61		
54	p-Coumaric acid	kumariinihappo	501-98-4		Xi	36/37/38	26-36		
55	Cytochalasin D	sytokalasiini D	22144-77-0	244-804-1	T	25-63	36/37-45		
56	DAPI	DAPI tumaväriaine	28718-90-3	249-186-7			22-24/25		
57	Deoxycholic acid	deoksikoolihappo	83-44-3	201-478-5	Xn	22-36/37/38	26-36		
58	Dexamethasone	deksametasone	50-02-2	200-003-9	Xi	43	36/37		
59	Dextran	dekstraani	9004-54-0	232-677-5					
60	1,2-Dichloroethane or ethylene dichloride	etyleenidikloridi tai dikloorietaani	107-06-2	203-458-1	F,T	45-11-22-36/37/38	53-45	F;R11;Carc.Cat.2;R45;Xn; R22;Xi;R36/37/38;T;R45-22-36/37/38	77
61	Diethyl ether	eetteri	60-29-7	200-467-2	F+;Xn	12-19-22-66-67	9-16-29-33	F+;R12;R19;Xn;R22;R66;R67	
62	Diethyl pyrocarbonate DEPC	dietyylidikarbonaatti	1609-47-8	216-542-8	Xn	22-36/37/38	26-36		
63	Dil = 1,1'-Diocadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate	Dil	41085-99-8				22-24/25		
64	N,N-Dimethylformamide	dimetyyliformamidi	68-12-2	200-679-5	T	61-20/21-36	53-45		
65	Dimethyl sulfoxide DMSO	dimetyylisulfoksidi	67-68-5	200-664-3					
66	Disodium hydrogen phosphate	dinatriumvetyfosfaatti	7558-79-4	231-448-7					
67	Sodium dihydrogen phosphate	natriumdivetyfosfaatti	7558-80-7	231-449-2					
68	Direct Red 80		2610-10-8	220-027-3			22-24/25		

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9	Reagent	Finnish name/ Explanations	CAS	EC				Classification Luokitus	
10									
69	Dithiothreitol DTT	ditiotreitoli	3483-12-3	222-468-7	Xn	22-36/37/38	26-36		
70	DMP-30 or 2,4,6-Tris(dimethylaminomethyl)phenol	epoksihartsin kovettumisen kiihdytin	90-72-2	202-013-9	Xn	22-36/38	26-28		
71	Dodecenylsuccinic anhydride, DDSA	DDSA (epoksihartsin kovetin)	26544-38-7	247-781-6	Xi	36/38	26-36		
72	Eosin - Hematoxylin solution according to Ehrlich	eosiini-hematoksyliini	17372-87-1		F,Xi	11-36	26		
73	Epichlorohydrin	epikloorihydrini	106-89-8	203-439-8	T	45-10-23/24/25-34-43	53-45	R10;Carc. Cat.2;R45;T;R23/24/25;C;R 34;R43	39
74	Ethanol	etanoli	64-17-5	200-578-6	F	11	7-16	F;R11	
75	Ethidium bromide	etidiumbromidi	1239-45-8	214-984-6	T+	22-26-36/37/38-68	26-28-36/37-45		
76	Ethyl acetate	etyyliasettaatti	141-78-6	205-500-4	F;Xi	11-36-66-67	16-26-33		
77	Ethylenediaminetetra acetic acid disodium salt dihydrate EDTA	EDTA	6381-92-6	205-358-3					
78	Ethylene glycol	etyleeniglykoli	107-21-1	203-473-3	Xn	22			
79	Ethylene glycol-bis(2-aminoethylether)-N,N,N',N',- tetraacetic acid EGTA	EGTA	67-42-5	200-651-2					
80	Ficoll synthetic polymer of sucrose	Ficoll - sakkaroosin polymeeri	26873-85-8						
81	Fibronectin	fibronektiini	86088-83-7	289-149-2					
82	Flutamide		13311-84-7	236-341-9	Xn	20/21/22-63	22-36		
83	Folic acid	foolihappo	59-30-0	200-419-0					
84	Formaldehyde	formaldehydi	50-00-0	200-001-8	T	23/24/25-34-40-43	26-36/37/39-45-51	Carc. Cat 3; R40;T;R23/24/25;C;R34; R43	
85	Formamide	formamidi	75-12-7	200-842-0	T	61	53-45	Repr. Cat 2; R61	
86	Formic acid	muurahaishappo	64-18-6	200-579-1	C	35	23-26-45		
87	Formvar in 1,2-dichloroethane	formvar-liuos etyleenikloridissa	63148-64-1		F;T	45-11-22-36/37/38	53-45		77
88	G418 disulfate salt solution	G418 antibiootti	108321-42-2				22-24/25		
89	Ganciclovir	ganciclovir	82410-32-0		T	46-60-61	53-36/37/39-45		
90	Gelatin	gelatiini	9000-70-8						
91	Giemsa stain		51811-82-6		F,T	11-23/24/25-39/23/24/25	7-16-36/37-45		
92	D-(+)-glucose	glukoosi	50-99-7	200-075-1					
93	L-Glutamine	L-glutamiini	56-85-9	200-292-1					
94	Glutaraldehyde	glutaraldehydi	111-30-8	203-856-5	T;N	23/25-34-42/43-50	26-36/37/39-45-61	T;R23/25;C;R34;R42/43;N; R50	
95	L-glutatione, reduced	pelkistetty glutationi	70-18-8	200-725-4					
96	Glycerol	glyseroli	56-81-5	200-289-5					
97	Glysine	glysiini	56-40-6	200-272-2			22, 24/25		
98	Gold (III) chloride hydrate = chloroauric acid	kloroaurihappo	27988-77-8	240-948-4	C	34-43	26-36/37/39-45		
99	Guanidine hydrochloride	guanidiini kloridi	50-01-1	200-002-3	Xn	22-36/38	22		
100									
101	Guanidine thiocyanate	guanidiini tiosyanaatti	593-84-0	209-812-1	Xn	20/21/22-32-52/53	13-36/37-61		
102	Guanidine isothiocyanate, look at guanidine thiocyanate	guanidiini iso-tiosyanaatti, katso guanidiini tiosyanaatti							
103	Hematoxylin	Hematoksyliini väriaine	517-28-2	208-237-3	Xi	36/37/38	26-36		
104	Heparin	hepariini	9041-08-1						
105	HEPES	Hepes	7365-45-9	230-907-9					
106	Herbimycin A	Herbimysiini A, tyrosiinikinaasi- inhibiittori	70563-58-5				22-24/25		
107	Hexadimethrine bromide		28728-55-4						
108	Hoechst stain 33258	Hoechst tumaväriaine	23491-45-4	245-690-6	Xn	22-36/38	26-36		
109	Hoechst stain 33342	Hoechst tumaväriaine	23491-52-3	245-691-1	Xn	22-37/38	22-36/37		
110	Hydrochloric acid	suolahappo	7647-01-0	231-595-7	C	34-37	26-45	C;R34;Xi;R37	
111	Hydrogen peroxide	vetyperoksidi	7722-84-1	231-765-0	O;C	8-34	3-28-36/39-45	O;R8;C;R34	
112	Hygromycin B	hygromysiini B	31282-04-9	250-545-5	T+	26/27/28-41-42/43	22-26-28-36/37/39-45		
113	Hyaluronidase from bovine testes type IV-S	hyaluronidaasi	37326-33-3	253-464-3			22-24/25		
114	Hydroquinone	hydrokinoni	123-31-9	204-617-8	Xn;N	22-40-41-43-50-68	26-36/37/39-61	Carc.Cat.3;R40;Muta.Cat.3; R68;Xn;R22;Xi;R41;R43;N; R50	
115	Imidazole	imidatsoli	288-32-4	206-019-2	C	22-34	26-36/37/39-45		
116	Indomethacin	indometasin	53-86-1	200-186-5	T+	28	28-36/37-45		
117	Iodoacetamide	jodoasetamidi	144-48-9	205-630-1	T	25-42/43	22-36/37-45		
118	Iodoacetic acid	jodietikkahappo	64-69-7	200-590-1	T,C	25-35	22-36/37/39-45	T;R25;C;R35	
119	Iron (III) chloride hexahydrate	rauta (III) kloridi	10025-77-1		Xn	22-38-41	26-39		
120	Sodium iodoacetate	natriumjodoasettaatti	305-53-3	206-165-7	T	25-37/38-41	26-39-45		
121	Kanamycin disulfate salt	hapan kanamysiini A	64013-70-3		T	61	53-45		
122	Kanamycin sulfate	kanamysiini A	25389-94-0	246-933-9					
123	N-Lauroylsarcosine sodium salt		137-16-6	205-281-5					
124	Levamisol hydrochloride		16595-80-5						
125	Lead subacetate	lyijyasetaatti, emäksinen	1335-32-6	215-630-3	T,N	61-33-40-48/22-50/53-62	53-45-60-61	Carc. Cat. 3; R40;Repr.Cat.1, R61;Repr. Cat.3;R62;Xn;R48/22;R33; N;R50-53	111
126	Lead(II) acetate trihydrate	lyijyasetaatti	6080-56-4	206-104-4	T,N	61-33--48/22-50/53-62	53-45-60-61	Carc. Cat. 3; R40;Repr.Cat.1, R61;Repr. Cat.3;R62;Xn;R48/22;R33; N;R50-53	109
127	Lead(II) nitrate	lyijynitraatti	10099-74-8	233-245-9	O;T;N	61-8-20/22-33-50/53-62	53-45-60-61	Repr.Cat.1, R61;Repr. Cat.3;R62;Xn;R20/22;R33; N;R50-53	
128	Leupeptin hemisulfate salt	leupeptiini	103476-89-7				22-24/25		

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9	Reagent	Finnish name/ Explanations	CAS	EC				Classification Luokitus	
10									
129	Lithium chloride	litiumkloridi	7447-41-8	231-212-3	Xn	22-36/37/38	26-36/37/39		
130	Luminol	luminoli	521-31-3	208-309-4	Xi	36/37/38	26-36/37		
131	Magnesium chloride hexahydrate	magnesiumkloridi	7791-18-6	232-094-6					
132	Magnesium sulfate heptahydrate	magnesiumsulfaatti	10034-99-8	231-298-2					
133	May-Grunwald Stain				Xn	22-41-52/53	26-39-61		
134	2-Mercaptoethanol	merkaptotaetanol	60-24-2	200-464-6	T,N	20/22-24-34-51/53	26-36/37/3-45-61		
135	Methanol	metanol	67-56-1	200-659-6	F,T	11-23/24/25-39/23/24/25	7-16-36/37-45	F;R11;T;R23/24/25-39/23/24/25	
136	2-Methylbutane	isopentaani	78-78-4	201-142-8	F+,Xn,N	12-51/53-65-66-67	9-16-29-33-61-62		
137	Methyl cellulose	metyyliselluloosa	9004-67-5						
138	N,N'-Methylenebis(acrylamide)		110-26-9	203-750-9	Xn	20/22	22		
139	Methylene blue	metyleenin sininen	7220-79-3	200-515-2	Xn	22-36/37/38	26-36		
140	Mineral oil	mineraaliöljy	8042-47-5	232-455-8					
141	Mitomycin C from Streptomyces caespitosus		50-07-7		Xn	20-40	36/37		
142	MOPS or 3-(N-Morpholino)propanesulfonic acid	MOPS	1132-61-2	214-478-5	Xi	36/37/38	26-36		
143	Mowiol 40 - 88 = poly(vinyl alcohol)	polyvinyylialkoholi	9002-89-5	209-183-3					
144	Nigericin	nigerisiini	28643-80-3		T	25-36/37/38	26-36/37/39-45		
145	2-Nitrophenyl b-D-galactopyranoside		369-07-3	206-716-1			22-24/25		
146	4-Nitrophenyl phosphate disodium salt hexahydrate	dinatrium nitrofenyylifosfaatti	4264-83-9	224-246-5					
147	Nonidet P-40	nonidet detergentti	9036-19-5		Xn	22-41	26-39		
148	Nonidet P 40 Substitute		9016-45-9		Xi	37-41	26-39		
149	Nuclear Fast Red		6409-77-4	229-088-0	Xi	36/37/38	26-36		
150	Osmium tetroxide	osmiumtetroksidi	20816-12-0	244-058-7	T+	26/27/28-34	7/9-26-45	T+;R26/27/28;C;R34	
151	Oxalic acid	oksaalihappo	144-62-7	205-634-3	Xn	21/22	24/25		
152	Paraformaldehyde = solid form of formaldehyde	paraformaldehydi = formaldehydin kiinteä muoto	50-00-0	200-001-8	T	23/24/25-34-40-43	26-36/37/39-45-51	Carc. Cat 3; R40;T;R23/24/25;C;R34; R43	
153	Pararosaniline hydrochloride or Schiff's reagent or Basic fuchsin or C.I. Basic Red 9	Schiffin emäs	569-61-9	209-321-2	T	45	53-45		165
154	Pancreatin, mixture of enzymes	pankreatiini, entsyymiseos	8049-47-6	232-468-9	Xn	36/37/38-42	22-24-26-36/37		
155	Penicillin		69-57-8	200-710-2	Xn	42/43	22-36/37-45		
156	Periodic acid	perjodihappo	10450-60-9	233-937-0	O,C	8-34	17-26-36/37/39-45		
157	Phenol	fenoli	108-95-2	203-632-7	T	24/25-34	28-45	T;R24/25;C;;R34	
158	Phenylmethanesulfonyl fluoride PMSF	fenyyli metyyli sulfonyylkloridi	329-98-6	206-350-2	T	25-34	26-36/37/39-45		
159	Phosphomolybdic acid hydrate		51429-74-4	234-713-5	O,C	8-34	17-26-36/37/39-45		
160	Phosphotungstic acid hydrate		12501-23-4		C	34	26-36/37/39		
161	Picric acid	pikriinihappo	88-89-1	201-865-9	F,T	1-4-11-23/24/25	35-36/37-45		
162	Pipes	pipes	5625-37-6	227-057-6			22-24/25		
163	Poly (ethylene glycol)	25322-68-3							
164	Poly-L-lysine	poly-L-lysiini	25988-63-0						
165	Poly (vinyl alcohol)	polyvinyylialkoholi	9002-89-5	209-183-3					
166	Polyvinylpyrrolidone solution		9003-39-8						
167	Ponceau S solution	Ponceau S liuos	6226-79-5			36/37/38	26-36		
168	Potassium acetate	kaliumasettaatti	127-08-2	204-822-2					
169	Potassium bicarbonate	kaliumvetykarbonaatti	298-14-6	206-059-0					
170	Potassium chloride	kaliumkloridi	7447-40-7	231-211-8					
171	Potassium hexacyanoferrate(II) trihydrate	kaliumferrosyanidi	14459-95-1	237-722-2		32	22-24/25		
172	Potassium hexacyanoferrate(III)	kaliumferrisyanidi	13746-66-2	237-323-3		32			
173									
174	Dipotassium hydrogenphosphate	dikaliumvetyfosfaatti	7758-11-4	231-834-5			22-24/25		
175	Potassium dihydrogen phosphate	kaliumdivetyfosfaatti	7778-77-0	231-913-4					
176	Potassium hydroxide	kaliumhydroksidi	1310-58-3	215-181-3	C	22-35	26-36/37/39-45		
177	1,2-Propanediol	propyleeniglykoli	57-55-6	200-338-0					
178	2-Propanol	isopropanoli	67-63-0	200-661-7	F, Xi	11-36-67	16-24/25-26-7	F;R11;Xi;R36;R67	
179	Propidium iodide	propidiumjodidi	25535-16-4	247-081-0	Xi	36/37/38	26		
180	Proteinase K	proteiinaasi K	39450-01-6	254-457-8	Xn	36/37/38-42	22-24-26-36/37		
181	D -(+)- Raffinose pentahydrate		17629-30-0						
182	Ribonuclease A from bovine pancreas Type XII-A	haiman ribonukleaasi	9001-99-4	232-646-6			22-24/25		
183	Safranin O		477-73-6	207-518-8	Xi	41	26-39		
184	Saponin	saponiini	8047-15-2	232-462-6	Xi	36/37	26-37/39		
185	Schiff's reagent (Basic fuchsin or pararosaniline hydrochloride) or C.I. Basic Red 9	Schiffin emäs	569-61-9	209-321-2	T	45	53-45		165
186	Silver Nitrate	hopeanitraatti	7761-88-8	231-853-9	C,N	34-50/53	26-45-60-61		

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					Hazard Codes Varoitus- merkit	Risk Statements R-lausekkeet	Safety Statements S-lausekkeet		ASA code ASA n:ro
9	Reagent	Finnish name/ Explanations	CAS	EC				Classification Luokitus	
10									
187	Sodium acetate	natriumasetaatti	127-09-3	204-823-8			22-24/25		
188	Sodium azide	natriumatsidi	26628-22-8	247-852-1	T+;N	28-32-50/53	28-45-60-61	T+;R28;R32;N;R50-53	
189	Sodium bicarbonate	natriumvety karbonaatti	144-55-8	205-633-8					
190	Sodium borate decahydrate = borax liuos	dinatrium tetraboraatti borax - liuos	1303-96-4				24/25		
191	Sodium borohydride	natrium borohydridi	16940-66-2	241-004-4	F,T	15-24/25-34	22-26-36/37/39-43-45		
192	Sodium carbonate	natriumkarbonaatti	497-19-8	207-838-8	Xi	36	22-26		
193	Sodium chloride	natriumkloridi	7647-14-5	231-598-3					
194	Sodium citrate	natriumsitraatti	6132-04-3						
195	Sodium deoxycholate monohydrate	natriumdeoksikolaatti	145224-92-6	206-132-7	Xn	22-37	22-36		
196	SDS sodium dodecyl sulfate	SDS	151-21-3	205-788-1	F;Xn	11-21/22-36/37/38	26-36/37		
197	Disodium hydrogen phosphate	dinatriumvetyfosfaatti	7558-79-4	231-448-7					
198	Sodium dihydrogen phosphate	natriumdivetyfosfaatti	7558-80-7	231-449-2					
199	Sodium hydroxide	natriumhydroksidi	1310-73-2	215-185-5	C	35	26-37/39-45		
200	Sodium iodoacetate	natriumjodoasetaatti	305-53-3	206-165-7	T	25-37/38-41	26-39-45		
201	Sodium nitrite	natriumnitriitti	7632-00-0	231-555-9	O,T,N	8-25-50	45-61		
202	Sodium sulfate	natriumsulfaatti	7757-82-6	231-820-9					
203	Sodium tetraborate decahydrate	natriumtetraboraatti	1303-96-4	215-540-4			22-24/25		
204	Sodium thiosulfate	natriumtiosulfaatti	10102-17-7	231-867-5					
205	Spectinomycin dihydrochloride pentahydrate		22189-32-8	244-554-3					
206	Streptomycin		3810-74-0						
207	Sucrose	sakkaroosi	57-50-1	200-334-9					
208	Sulfuric acid	rikkihappo	7664-93-9	231-639-5	C	35	26-30-45	C; R35	
209	Tannic acid	parkkihappo	1401-55-4	215-753-2	Xi	36/37/38	26-36		
210	Taurine	tauriini	107-35-7	203-483-8	Xi	36/37/38	26-36		
211	TEMED tetramethylethylenediamine	TEMED	110-18-9	203-744-6	F, C	11-20/22-34	16-26-36/37/39-45		
212	Testosterone	testosteroni	58-22-0	200-370-5	T	45-63	53-36/37-45		
213	Tetracycline hydrochloride		64-75-5	200-593-8	Xi	36/37/38	26-36		
214	1-Thioglycerol		96-27-5	202-495-0	Xn	21/22-36/37/38	26-36		
215	Thiourea	tiourea	62-56-6	200-543-5	Xn,N	22-40-51/53-63	36/37-61	Carc.Cat.3; R40; Repr. Cat.3;R63;Xn;R22;N;R51- 53	128
216	Toluene	tolueeni	108-88-3	203-625-9	F;Xn	11-20	16-25-29-33	F;R11; Xn; R20	
217	Toluidine blue O	toluidiinin sininen O	92-31-9	202-146-2		22-24/25			
218	Trichloroacetic acid	trikloorietikkahappo	76-03-9	200-927-2	C,N	35-50/53	26-36/37/39-45-60-61		
219	Triethanolamine		102-71-6	203-049-8	Xi	36/37/38	26		
220	Tris (hydroxymethyl) aminomethane	trishydroksymetyyli aminometaani	77-86-1	201-064-4	Xi	36/37/38	26-36		
221	Tris HCl Tris (hydroxymethyl) aminomethane hydrochloride	trishydroksymetyyli aminometaani suolahappo	1185-53-1	214-684-5	Xi	36/37/38	26-36		
222	Triton X-100	triton x-100	9002-93-1		Xn,N	22-41-51/53	26-36/39-61		
223	TRIZol Reagent, mixture of phenol and guanidine isotiocyanate	trisoli, guanidiini isotiosyanaatin ja fenolin seos							
224	Trypan Blue	trypan sininen	72-57-1	200-786-7	T	45	53-45		134
225	Trypsin	trypsiini	9002-07-7	232-650-8	Xn	36/37/38-42	23-45		
226									
227	Tween 20	tween 20 detergentti	9005-64-5						
228	Uranyl acetate dihydrate	uranyyliasettaatti	6159-44-0	208-767-5	T+, N	26/28-33-51/53	20/21-45-61	T+;R26/28;R33;N;R51-53	
229	Urea	urea	57-13-6	200-315-5					
230									
231	Xylenes	ksyleeni	1330-20-7	215-535-7	Xn	10-20/21-38	25	R10;Xn;R20/21;Xi;R38	
232	Xylene Cyanol FF		2650-17-1	220-167-5	Xi	36/37/38	26-36		
233									
234	Combined products:	seokset:							
235									
236	Bouin's solution (picric acid, formaldehyde, acetic acid)	Bouinin liuos (pikriinihappo, formaldehydi, etikkahappo			Xn	1-20/21/22-36/37/38-40- 43	26-35-36/37		
237	Folin & Ciocalteu's phenol reagent for protein determination	Folin - Ciocalteun fenolireagenssi			C	34	26-36/37/39-45		
238	Matrigel matrix, Becton Dickinson	matrigeeli							
239									
240	Cell culture media:	soluviljelymediumit							
241	Buffer solutions:	puskuriliuokset							
242									
243	Tyrode's Solution				Xi	36/37/38	26-36		
244									
245	Antibodies or immunoglobulins	vasta-aineet eli immunoglobuliinit							
246									
247	Commercial kits:	kaupalliset kitit							
248									
249	DNA purification kits								
250	NucleoBond PC 500	RNAse A, NaOH							
251									
252	HiSpeed Plasmid Maxi kit, Qiagen								
253		SDS, acetic acid, NaOH, propan-2-oli, Rnase A							
254									
255	Qiagen Midi DNA extraction kit & Qiafilter Plasmid maxi kit, Qiagen								

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					Hazard Codes Varoitus- merkit	Risk Statements R-lausekkeet	Safety Statements S-lausekkeet	Classification Luokitus	ASA code ASA n:ro
9	Reagent	Finnish name/ Explanations	CAS	EC					
10									
256	P2 buffer	SDS, NaOH							
257	P3 buffer	acetic acid							
258	QBT buffer	2-propanol							
259	QC buffer	2-propanol							
260	QF buffer	2-propanol							
261									
262	NucleoBond Xtra Maxi								
263		RNAase A							
264	LYS	NaOH							
265									
266	Nucleo Spin Extract II								
267	NT buffer	guanidine thiocyanate							
268									
269	Qiaex II Gel Extraction Kit								
270	buffer QX1	sodiumperchlorate	7601-89-0		Xn, O, R	22/9			
271	Qiaex II Suspension	sodiumperchlorate	7601-89-0		Xn, O, R	22/9			
272									
273	Qiaquick gel extraction kit	guanidine thiocyanate							
274	QG buffer								
275									
276	Wizard Plus Midipreps								
277	Cell Resuspension solution	EDTA							
278	Cell Lysis Solution	NaOH, SDS							
279	Neutralization Solution	potassium acetate							
280	Column Wash Solution	EDTA, potassium acetate							
281									
282	QIAprep Spin Miniprep								
	buffer N3	quanidinehydrochloride, ethanol							
283									
284	buffer P2	SDS, NaOH							
	buffer PB	quanidinehydrochloride, propan-2-oli							
285									
286									
287	GFX PCR, DNA and Gel Band Purification kit, GE Healthcare								
288									
289	Capture buffer type 2	Guanidine thiocyanate							
290									
291	e.z.n.a Plasmid Maxi Kit, Omega bio-tek								
292									
293									
294	Genelute HP Plasmid Maxiprep kit, Sigma								
	Rnase A solution	ribonuclease, Tris (HYDROXYMETHYL)AMINO- METHANE HYDROCHLORIDE SALT, GLYCEROL							
295									
	Wash solution 1	GUANIDINE HYDROCHLORIDE, 2- PROPANOL,							
296									
		TRIS(HYDROXYMETHYL)- AMINOMETHANE ACETATE SALT	6850-28-8	229-939-6					
297									
298		ETHANE ACETATE							
299	Wash solution 2	NaCl, Tris-HCl							
300	Elution buffer	SODIUM HYDROXIDE							
		TRIS (HYDROXYMETHYL) AMINOMETHANE HYDROCHLORIDE SALT	1185-53-1	214-684-5	Xi	36/37/38			
301									
302									
303									
304	RNA extraction kits								
305									
306	Qiagen Rneasy Plus Mini Kit								
307	RLT buffer	guanidine thiocyanate							
		t-Octylphenoxyppolyethoxy- ethanol			Xn	22/37/38-41			
308	RW1 buffer	guanidine thiocyanate, ethanol							
309									
310									
311									
312	DNA transfection kits								
313	Fugene								
314		ethanol							
315	Lipofectamine								
316		ethanol							
317									
318	Protein determination kits								
319									
320	BCA Protein Assay Kit	bicinchoninic acid							
321	Reagent A	cupric sulfate							
322	Reagent B								
323									
324									
325	Cell viability determination kits								
326	Cell Proliferation kit, Amersham								
327	Substrate/Intensifier	Vetyperoksidiliuos nickel(ii) chloride hexahydrate	7722-84-1 7791-20-0		O,Xn, C T,N,	R8, R5, R20/22, R35 R50/53,Carc. Cat. 3; R40			
328									
		cobalt(2+) chloride hexahydrate	7791-13-1		Xn	Carc. Cat. 2; R49, R22, R42/43			
329									
330									
331	DNase 1;		7791-18-6		Xi	R36/37/38			
332	Anti-mouse IgG2a	glycerol							
	Peroxidase anti-mouse IgG2a reagent diluent	5-kloori-2-metyyli-2H-isotiatsol- 3-onin ja 2-metyyli-2H- isotiatsol-3-onin [EY-nro 220- 239-6] (3:1) seos [Kathon CG]	55965-84-9		T,C,N	R23/24/25, R34, R43, R50-53			
333									
334	DNase 1; part of 'Anti-BrdU		77-86-1			N; R50/53			
335		Deoxyribonuclease	9003-98-9			R42/43			
336	fixative	ethanol							
337									
338	In Situ Cell Death Detection kit, Roche								

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9	Reagent	Finnish name/ Explanations	CAS	EC					
10									
339	Label Solution	Cobalt dichloride	7791-13-1		T, N	R49-R22-R42/43-R50/53	S53-S22-S45-S60-S61		
340		Potassium cacodylate	21416-85-3		T, N	R23/25-R50/53	S20/21-S28-S45-S60-S61		
341	Terminal transferase	glycerol, TX-100							
342									
343									
344	PCR kits								
345	Advantage cDNA PCR kit, Clontech								
346									
347	10x polymerase mix	glycerol, EDTA, beta-mercaptoethanol							
348		beta-mercaptoethanol	60-24-2		T	R22, 24, 36	S 24/25, S 36/37/39, S 45		
349		Thesit	9002-92-0		Xn	22,38, 41	26-36/37/39		
350		potassium acetate							
351									
352	Robust II RT-PCR kit								
353		glycerol							
354	Fast Starg High Fidelity PCR system, Roche								
355		glycerol, DMSO							
356									
357	Fast Start Tag DNA Polymerase Kit								
358		glycerol, DMSO							
359									
360	Smart PCR cDNA Synthesis kit, Clontech								
361		DTT							
362	RevertAid H minus first strand dCNA synthesis kit								
363		glycerol							
364	cDNA Synthesis Kit, Stratagene	ethanol							
365									
366	T7 sequencing kit								
367		formamide							
368	Super Script III Rnase-H reverse transcriptase								
369		potassium chloride							
370									
371	DNA cloning, e.g.. kits								
372	Fast Link DNA ligation kit								
373	storage buffer	glycerol, TX-100, DTT, EDTA							
374									
375	Rediprime II Random Prime Labelling System, Amersham	Tris(hydroxymethyl)amino-methane							
376									
377	TOPO TA cloning kit	glycerol, TX-100							
378									
379	BLOCK IT Dizer Enzyme kit	EDTA							
380									
381	DIG High Prime DNA labeling and detection kit								
382		glycerol							
383		Diethanolamine	111-42-2		Xn	R22-R38-R41-R48/22	S26-S36/37/39-S46		
384									
385	DIG RNA labeling kit, Roche								
386		Digoxigenin-11-2-dUTP	123625-64-9		T+	R26/28	S18-S28-S36/37-S45		
387									
388	SAPK/JNK assay kit, Cell signaling								
389									
390	Others								
391		Kaliumvetyperoksimono-persulfaatti	70693-62-8		C, Xn;	R22-34-52			
392	VIRKON	Sulfamiinihappo	5329-14-6		Xi	R36/38;R52-53			
393		Natriumalkyylibentseeni-sulfonaatti	90194-45-9		Xn, Xi	R22-36/38 (C10-13)			
		Dikaliumperoksodisulfaatti	7727-21-1		O; R8;Xn; R22;Xi;	R36/37/38;R42/43			
394									
395		Omenahappo	6915-15-7		Xn, Xi;	R22-37/38			
396		Natriumpolyfosfaatti	68915-31-1		Xi;	R36/37/38			
397									
398	Luminescnet beta-galactosidase Detection kit II								
399									
400	Histomount, Zymed								
401		toluene							
402		Acrylic Resin	108-88-3						
403									
404	BM Purple AP Solution, Roche								
405									
406	Dnase I	glycerol							
407									
408	Histostain Plus Kit, Zymed								
409		sodium azide							
410									
411	TMB Extra. Kem En Tec								
412		TMB(*3,3',5,5'-Tetramethylbenzidine)	54827-17-7		Xn, N	R22	S51/53		
413									
414	Biotinylation kit								
415									
416	MycoAlert Mycoplasma detection kit				Xn	42/43	22-24-26-36/37		
417									
418	WGA kit								
419									
420	Commercial stains:								
421									
422	SYBR GOLD								
423	SYBR GREEN								