

Table of Example* UCUM codes for Electronic Messaging – version 1.1

10/4/2011

(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
1	10.L/min	10 liter per minute
2	10.L/(min.m2)	10 liter per minute per square meter
3	10.uN.s/(cm5.m2)	10 micronewton second per centimeter to the fifth power per square meter
4	10*4/uL	10 thousand per microliter
5	10*8	100 million
6	24.h	24 hour
7	{absorbance}	absorbance
8	{activity}	activity
9	[AU]	allergy unit
10	{AHF'U}	American Hospital Formulary unit
11	A	ampere
12	A/m	ampere per meter
13	[arb'U]	arbitrary unit
14	[arb'U]/mL	arbitrary unit per milliliter
15	{ARU}	aspirin response unit
16	atm	atmosphere
17	ag/{cell}	attogram per cell
18	bar	bar
19	Bq	Becquerel
20	[beth'U]	Bethesda unit
21	10*9/L	billion per liter

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
22	10*9/uL	billion per microliter
23	10*9/mL	billion per milliliter
24	{binding_index}	binding index
25	[bdk'U]	Bodansky unit
26	{CAG_repeats}	CAG trinucleotide repeats
27	cal	calorie
28	{cells}	cells
29	{cells}/[HPF]	cells per high power field
30	{cells}/uL	cells per microliter
31	cg	centigram
32	cL	centiliter
33	cm	centimeter
34	cm[Hg]	centimeter of mercury
35	cm[H2O]	centimeter of water
36	cm[H2O]/L/s	centimeter of water per liter per second
37	cm[H2O]/s/m	centimeter of water per second per meter
38	cP	centipoise
39	cSt	centistoke
40	{delta_OD}	change in (delta) optical density
41	{clock_time}	clock time e.g 12:30PM
42	[CFU]	colony forming unit

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Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
43	[CFU]/L	colony forming unit per liter
44	[CFU]/mL	colony forming unit per milliliter
45	{CAE'U}	complement activity enzyme unit
46	{CH100'U}	complement CH100 unit
47	{copies}	copies
48	{copies}/ug	copies per microgram
49	{copies}/mL	copies per milliliter
50	{count}	count
51	{CPM}	counts per minute
52	{CPM}/10*3{cell}	counts per minute per thousand cells
53	[cin_i]	cubic inch (international)
54	m3/s	cubic meter per second
55	d	day
56	dB	decibel
57	dg	decigram
58	dL	deciliter
59	dm	decimeter
60	deg	degree (plane angle)
61	Cel	degree Celsius
62	[degF]	degree Fahrenheit
63	K	degree Kelvin

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
64	K/W	degree Kelvin per Watt
65	deg/s	degree per second
66	daL/min	dekaliter per minute
67	daL/min/m2	dekaliter per minute per square meter
68	{dilution}	dilution
69	[dr_av]	dram (US and British)
70	[drp]	drop (1/12 milliliter)
71	dyn.s/cm	dyne second per centimeter
72	dyn.s/(cm.m2)	dyne second per centimeter per square meter
73	{Ehrlich'U}	Ehrlich unit
74	{Ehrlich'U}/100g	Ehrlich unit per 100 gram
75	{Ehrlich'U}/(2.h)	Ehrlich unit per 2 hour
76	{Ehrlich'U}/d	Ehrlich unit per day
77	{Ehrlich'U}/dL	Ehrlich unit per deciliter
78	{EIA_index}	EIA index
79	{EIA_titer}	EIA titer
80	{EIA'U}	EIA unit
81	{EIA'U}/U	EIA unit per enzyme unit
82	{EV}	EIA value
83	eV	electron Volt
84	{ELISA'U}	ELISA unit

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Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)	Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
85	U	enzyme unit	106	U/mL{RBCs}	enzyme unit per milliliter of red blood cells
86	U/10	enzyme unit per 10	107	U/mmol{creat}	enzyme unit per millimole of creatinine
87	U/10*10	enzyme unit per 10 billion	108	U/10*6	enzyme unit per million
88	U/10*10{cells}	enzyme unit per 10 billion cells	109	U/min	enzyme unit per minute
89	U/(10.g){feces}	enzyme unit per 10 gram of feces	110	U/s	enzyme unit per second
90	U/(12.h)	enzyme unit per 12 hour	111	U/10*12	enzyme unit per trillion
91	U/(2.h)	enzyme unit per 2 hour	112	U/10*12{RBCs}	enzyme unit per trillion red blood cells
92	U/(24.h)	enzyme unit per 24 hour	113	eq	equivalent
93	U/10*9	enzyme unit per billion	114	eq/L	equivalent per liter
94	U/d	enzyme unit per day	115	eq/umol	equivalent per micromole
95	U/dL	enzyme unit per deciliter	116	eq/mL	equivalent per milliliter
96	U/g	enzyme unit per gram	117	eq/mmol	equivalent per millimole
97	U/g{creat}	enzyme unit per gram of creatinine	118	erg	erg
98	U/g{Hb}	enzyme unit per gram of hemoglobin	119	F	Farad
99	U/g{protein}	enzyme unit per gram of protein	120	fg	femtogram
100	U/h	enzyme unit per hour	121	fL	femtoliter
101	U/kg{Hb}	enzyme unit per kilogram of hemoglobin	122	fm	femtometer
102	U/L	enzyme unit per liter	123	fmol	femtomole
103	U{25Cel}/L	enzyme unit per liter at 25 deg Celsius	124	fmol/g	femtomole per gram
104	U{37Cel}/L	enzyme unit per liter at 37 deg Celsius	125	fmol/L	femtomole per liter
105	U/mL	enzyme unit per milliliter	126	fmol/mg	femtomole per milligram

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127	fmol/mg{cytosol_protein}	femtomole per milligram of cytosol protein	148♦	g/(100.g)	gram per 100 gram
128	fmol/mg{protein}	femtomole per milligram of protein	149	g/(12.h)	gram per 12 hour
129	fmol/mL	femtomole per milliliter	150	g/(24.h)	gram per 24 hour
130	[foz_us]	fluid ounce (US)	151	g/(3.d)	gram per 3 days
131	{FIU}	fluorescent intensity unit	152	g/(4.h)	gram per 4 hour
132	[ft_i]	foot (international)	153	g/(48.h)	gram per 48 hour
133	{fraction}	fraction	154	g/(5.h)	gram per 5 hour
134	[Ch]	French (catheter gauge)	155	g/(6.h)	gram per 6 hour
135	{GAA_repeats}	GAA trinucleotide repeats	156	g/(72.h)	gram per 72 hour
136	[gal_us]	gallon (US)	157	g/(8.h){shift}	gram per 8 hour shift
137	{genomes}/mL	genomes per milliliter	158	g/cm ³	gram per cubic centimeter
138	{Globules}/[HPF]	globules (drops) per high power field	159	g/d	gram per day
139	g	gram	160	g/dL	gram per deciliter
140	g.m	gram meter	161	g/g	gram per gram
141	g.m/{beat}	gram meter per heart beat	162	g/g{creat}	gram per gram of creatinine
142	g{creat}	gram of creatinine	163	g/g{globulin}	gram per gram of globulin
143	g{Hb}	gram of hemoglobin	164	g/g{tissue}	gram per gram of tissue
144	g{total_nit}	gram of total nitrogen	165	g/h	gram per hour
145	g{total_prot}	gram of total protein	166	g/h/m ²	gram per hour per square meter
146	g{wet_tissue}	gram of wet tissue	167	g/kg	gram per kilogram
147	g/kg/8.h	gram per kilogram per 8 hour	168	g/kg/(8.h){shift}	gram per kilogram per 8 hour shift

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)	Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
169	g/kg/d	gram per kilogram per day			of anticardiolipin" or "antiphospholipid")
170	g/kg/h	gram per kilogram per hour	190	{APS'U}	IgA antiphosphatidylserine unit
171	g/kg/min	gram per kilogram per minute	191	{GPL'U}/mL	IgG anticardiolipin unit per milliliter**
172	g/L	gram per liter	192	{GPL'U}	IgG anticardiolipin unit**
173	g/mg	gram per milligram	193	{GPS'U}	IgG antiphosphatidylserine unit
174	g/mL	gram per milliliter	194	{MPL'U}/mL	IgM anticardiolipin unit per milliliter**
175	g/mmol	gram per millimole	195	{MPL'U}	IgM anticardiolipin unit**
176	g/min	gram per minute	196	{MPS'U}	IgM antiphosphatidylserine unit
177	g/mol{creat}	gram per mole of creatinine	197	{MPS'U}/mL	IgM antiphosphatidylserine unit per milliliter
178	g/{specimen}	gram per specimen	198	{ImmuneComplex'U }	immune complex unit
179	g/m2	gram per square meter	199	{ISR}	immune status ratio
180	g/{total_output}	gram per total output	200	{IFA_index}	immunofluorescence assay index
181	g/{total_weight}	gram per total weight	201	{IFA_titer}	Immunofluorescence assay titer
182	Gy	Gray	202	{in_i}	inch (international)
183	{beats}/min	heart beats per minute	203	{in_'H2O}	inch (international) of water
184	H	Henry	204	{index_val}	index value
185	Hz	Hertz	205	{HA_titer}	influenza hemagglutination titer
186	[HPF]	high power field	206	{INR}	international normalized ratio
187	h	hour	207	[IU]	international unit
188	[APL'U]/mL	IgA anticardiolipin unit per milliliter**	208	[IU]/(2.h)	international unit per 2 hour
189	[APL'U]	IgA anticardiolipin unit** (**anticardiolipin can also be called "biologic activity	209	[IU]/(24.h)	international unit per 24 hour

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210	[IU]/10*9{RBCs}	international unit per billion red blood cells	231	k[AU]	kilo allergy unit
211	[IU]/d	international unit per day	232	k[AU]/L	kilo allergy unit per liter
212	[IU]/dL	international unit per deciliter	233	kU	kilo enzyme unit
213	[IU]/g	international unit per gram	234	kU/g	kilo enzyme unit per gram
214	[IU]/g{Hb}	international unit per gram of hemoglobin	235	kU/L	kilo enzyme unit per liter
215	[IU]/h	international unit per hour	236	kU/L{class}	kilo enzyme unit per liter class
216	[IU]/kg	international unit per kilogram	237	kU/mL	kilo enzyme unit per milliliter
217	[IU]/kg/d	international unit per kilogram per day	238	k[IU]/L	kilo international unit per liter
218	[IU]/L	international unit per liter	239	k[IU]/mL	kilo international unit per milliliter
219	[IU]/L{37Cel}	international unit per liter at 37 degrees Celsius	240	kcal	kilocalorie
220	[IU]/mg{creat}	international unit per milligram of creatinine	241	kcal/d	kilocalorie per day
221	[IU]/mL	international unit per milliliter	242	kcal/h	kilocalorie per hour
222	[IU]/min	international unit per minute	243	kcal/kg/(24.h)	kilocalorie per kilogram per 24 hour
223	J	joule	244	kcal/[oz_av]	kilocalorie per ounce (US & British)
224	J/L	joule per liter	245	kg	kilogram
225	{JDF'U}	Juvenile Diabetes Foundation unit	246	kg.m/s	kilogram meter per second
226	{JDF'U}/L	Juvenile Diabetes Foundation unit per liter	247	kg/m3	kilogram per cubic meter
227	{KCT'U}	kaolin clotting time	248	kg/h	kilogram per hour
228	kat	katal	249	kg/L	kilogram per liter
229	kat/kg	katal per kilogram	250	kg/min	kilogram per minute
230	kat/L	katal per liter	251	kg/mol	kilogram per mole

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Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
252	kg/s	kilogram per second
253	kg/(s.m2)	kilogram per second per square meter
254	kg/m2	kilogram per square meter
255	kL	kiloliter
256	km	kilometer
257	kPa	kilopascal
258	ks	kilosecond
259♦	[ka'U]	King Armstrong unit
260	{KRONU'U}/mL	Kronus unit per milliliter
261♦	[knk'U]	Kunkel unit
262	L	liter
263	L/(24.h)	liter per 24 hour
264	L/(8.h)	liter per 8 hour
265	L/d	liter per day
266	L/h	liter per hour
267	L/kg	liter per kilogram
268	L/L	liter per liter
269	L/min	liter per minute
270	L/(min.m2)	liter per minute per square meter
271	L/s	liter per second
272	L/s/s2	liter per second per square second

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
273	{Log_copies}/mL	log (base 10) copies per milliliter
274	{Log_IU}	log (base 10) international unit
275	{Log_IU}/mL	log (base 10) international unit per milliliter
276	{Log}	log base 10
277	[LPF]	low power field
278	lm	lumen
279	lm.m2	lumen square meter
280	{Lyme_index_value}	Lyme index value
281♦	[mclg'U]	Maclagan unit
282	Ms	megasecond
283	m	meter
284	m/s	meter per second
285	m/s2	meter per square second
286	t	metric ton
287	uU/g	micro enzyme unit per gram
288	uU/L	micro enzyme unit per liter
289	uU/mL	micro enzyme unit per milliliter
290	u[IU]	micro international unit
291	u[IU]/mL	micro international unit per milliliter
292	ueq	microequivalent
293	ueq/L	microequivalent per liter

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Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
294	ueq/mL	microequivalent per milliliter
295	ug	microgram
296	ug/g{feces}	microgram per gram of feces
297	ug{FEU}/mL	microgram fibrinogen equivalent unit per milliliter
298♦	ug/(100.g)	microgram per 100 gram
299	ug/(24.h)	microgram per 24 hour
300	ug/(8.h)	microgram per 8 hour
301	ug/m3	microgram per cubic meter
302	ug/d	microgram per day
303	ug/dL	microgram per deciliter
304	ug/dL{RBCs}	microgram per deciliter of red blood cells
305	ug/g	microgram per gram
306	ug/g{creat}	microgram per gram of creatinine
307	ug/g{dry_tissue}	microgram per gram of dry tissue
308	ug/g{dry_wt}	microgram per gram of dry weight
309	ug/g{hair}	microgram per gram of hair
310	ug/g{Hb}	microgram per gram of hemoglobin
311	ug/g{tissue}	microgram per gram of tissue
312	ug/h	microgram per hour
313	ug/kg	microgram per kilogram
314	ug/kg/(8.h)	microgram per kilogram per 8 hour

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
315	ug/kg/d	microgram per kilogram per day
316	ug/kg/h	microgram per kilogram per hour
317	ug/kg/min	microgram per kilogram per minute
318	ug/L	microgram per liter
319	ug/L{RBCs}	microgram per liter of red blood cells
320	ug/L/(24.h)	microgram per liter per 24 hour
321	ug/mg	microgram per milligram
322	ug/mg{creat}	microgram per milligram of creatinine
323	ug/mL	microgram per milliliter
324	ug/mL{class}	microgram per milliliter class
325	ug/mL{eqv}	microgram per milliliter equivalent
326	ug/mmol	microgram per millimole
327	ug/mmol{creat}	microgram per millimole of creatinine
328	ug/min	microgram per minute
329	ug/ng	microgram per nanogram
330	ug/{specimen}	microgram per specimen
331	ug/[sft_i]	microgram per square foot (international)
332	ug/m2	microgram per square meter
333	u[U]/L	microinternational unit per liter
334	ukat	microkatal
335	uL	microliter

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336	uL/(2.h)	microliter per 2 hour	357	umol/umol{creat}	micromole per micromole of creatinine
337	uL/h	microliter per hour	358	umol/mg	micromole per milligram
338	um	micrometer	359	umol/mg{creat}	micromole per milligram of creatinine
339	umol	micromole	360	umol/mL	micromole per milliliter
340	umol{BCE}/mol	micromole bone collagen equivalent per mole	361	umol/mL/min	micromole per milliliter per minute
341	umol/(2.h)	micromole per 2 hour	362	umol/mmol	micromole per millimole
342	umol/(24.h)	micromole per 24 hour	363	umol/mmol{creat}	micromole per millimole of creatinine
343	umol/(8.h)	micromole per 8 hour	364	umol/min	micromole per minute
344	umol/d	micromole per day	365	umol/min/g	micromole per minute per gram
345	umol/dL	micromole per deciliter	366	umol/min/g{mucosa}	micromole per minute per gram of mucosa
346	umol/dL{GF}	micromole per deciliter of glomerular filtrate	367	umol/min/g{protein}	micromole per minute per gram of protein
347	umol/g	micromole per gram	368	umol/min/L	micromole per minute per liter
348	umol/g{creat}	micromole per gram of creatinine	369	umol/mol	micromole per mole
349	umol/g{Hb}	micromole per gram of hemoglobin	370	umol/mol{creat}	micromole per mole of creatinine
350	umol/h	micromole per hour	371	umol/mol{Hb}	micromole per mole of hemoglobin
351	umol/kg	micromole per kilogram	372	um/s	microns per second
352	umol/kg{feces}	micromole per kilogram of feces	373	uOhm	microOhm
353	umol/L	micromole per liter	374	us	microsecond
354	umol/L{RBCs}	micromole per liter of red blood cells	375	uV	microvolt
355	umol/L/h	micromole per liter per hour	376	[mi_i]	mile (international)
356	umol/umol	micromole per micromole	377	mU/g	milli enzyme unit per gram

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378	mU/mL	milli enzyme unit per milliliter
379	mU/mL/min	milli enzyme unit per milliliter per minute
380	mU/mmol{creat}	milli enzyme unit per millimole of creatinine
381	mU/mmol{RBCs}	milli enzyme unit per millimole of red blood cells
382	m[IU]/mL	milli international unit per milliliter
383	mU/g{Hb}	milli enzyme unit per gram of hemoglobin
384	mU/g{protein}	milli enzyme unit per gram of protein
385	mU/L	milli enzyme unit per liter
386	mU/mg	milli enzyme unit per milligram
387	mU/mg{creat}	milli enzyme unit per milligram of creatinine
388	m[IU]/L	milli international unit per liter
389	mA	milliampere
390	mbar	millibar
391	mbar/L/s	millibar per liter per second
392	mbar.s/L	millibar second per liter
393	meq	milliequivalent
394	meq/(2.h)	milliequivalent per 2 hour
395	meq/(24.h)	milliequivalent per 24 hour
396	meq/(8.h)	milliequivalent per 8 hour
397	meq/d	milliequivalent per day
398	meq/dL	milliequivalent per deciliter

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
399	meq/g	milliequivalent per gram
400	meq/g{creat}	milliequivalent per gram of creatinine
401	meq/h	milliequivalent per hour
402	meq/kg	milliequivalent per kilogram
403	meq/kg/h	milliequivalent per kilogram per hour
404	meq/L	milliequivalent per liter
405	meq/mL	milliequivalent per milliliter
406	meq/min	milliequivalent per minute
407	meq/{specimen}	milliequivalent per specimen
408	meq/m2	milliequivalent per square meter
409	meq/{total_volume}	milliequivalent per total volume
410	mg	milligram
411	mg{FEU}/L	milligram fibrinogen equivalent unit per liter
412	mg/(10.h)	milligram per 10 hour
413	mg/(12.h)	milligram per 12 hour
414	mg/(2.h)	milligram per 2 hour
415	mg/(24.h)	milligram per 24 hour
416	mg/(6.h)	milligram per 6 hour
417	mg/(72.h)	milligram per 72 hour
418	mg/(8.h)	milligram per 8 hour
419	mg/{collection}	milligram per collection

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
420	mg/m3	milligram per cubic meter
421	mg/d	milligram per day
422	mg/d/(1.73_m2)	milligram per day per 1.73 square meter
423	mg/dL	milligram per deciliter
424	mg/dL{RBCs}	milligram per deciliter of red blood cells
425	mg/g	milligram per gram
426	mg/g{creat}	milligram per gram of creatinine
427	mg/g{dry_tissue}	milligram per gram of dry tissue
428	mg/g{feces}	milligram per gram of feces
429	mg/g{tissue}	milligram per gram of tissue
430	mg/g{wet_tissue}	milligram per gram of wet tissue
431	mg/h	milligram per hour
432	mg/kg	milligram per kilogram
433	mg/kg/(8.h)	milligram per kilogram per 8 hour
434	mg/kg/d	milligram per kilogram per day
435	mg/kg/h	milligram per kilogram per hour
436	mg/kg/min	milligram per kilogram per minute
437	mg/L	milligram per liter
438	mg/L{RBCs}	milligram per liter of red blood cells
439	mg/mg	milligram per milligram
440	mg/mg{creat}	milligram per milligram of creatinine

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
441	mg/mL	milligram per milliliter
442	mg/mmol	milligram per millimole
443	mg/mmol{creat}	milligram per millimole of creatinine
444	mg/min	milligram per minute
445	mg/{specimen}	milligram per specimen
446	mg/m2	milligram per square meter
447	mg/{total_output}	milligram per total output
448	mg/{total_volume}	milligram per total volume
449	mg/wk	milligram per week
450	mL	milliliter
451	mL{fetal_RBCs}	milliliter of fetal red blood cells
452	mL/(10.h)	milliliter per 10 hour
453	mL/(12.h)	milliliter per 12 hour
454	mL/(2.h)	milliliter per 2 hour
455	mL/(24.h)	milliliter per 24 hour
456	mL/(4.h)	milliliter per 4 hour
457	mL/(5.h)	milliliter per 5 hour
458	mL/(6.h)	milliliter per 6 hour
459	mL/(72.h)	milliliter per 72 hour
460	mL/(8.h)	milliliter per 8 hour
461	mL(8.h.kg)	milliliter per 8 hour per kilogram

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
462	mL/cm[H2O]	milliliter per centimeter of water
463	mL/d	milliliter per day
464	mL/dL	milliliter per deciliter
465	mL/{beat}	milliliter per heart beat
466	mL/{beat}/m2	milliliter per heart beat per square meter
467	mL/h	milliliter per hour
468	mL/kg	milliliter per kilogram
469	mL/kg/(8.h)	milliliter per kilogram per 8 hour
470	mL/kg/d	milliliter per kilogram per day
471	mL/kg/h	milliliter per kilogram per hour
472	mL/kg/min	milliliter per kilogram per minute
473	mL/mbar	milliliter per millibar
474	mL/mm	milliliter per millimeter
475	mL/min	milliliter per minute
476	mL/min/{1.73_m2}	milliliter per minute per 1.73 square meter
477	mL/min/m2	milliliter per minute per square meter
478	mL/s	milliliter per second
479	mL/[sin_i]	milliliter per square inch (international)
480	mL/m2	milliliter per square meter
481	mm	millimeter
482	mm[Hg]	millimeter of mercury

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
483	mm[H2O]	millimeter of water
484	mm/h	millimeter per hour
485	mm/min	millimeter per minute
486	mmol	millimole
487	mmol/(12.h)	millimole per 12 hour
488	mmol/(2.h)	millimole per 2 hour
489	mmol/(24.h)	millimole per 24 hour
490	mmol/(5.h)	millimole per 5 hour
491	mmol/(6.h)	millimole per 6 hour
492	mmol/(8.h)	millimole per 8 hour
493	mmol/d	millimole per day
494	mmol/dL	millimole per deciliter
495	mmol/{ejaculate}	millimole per ejaculate
496	mmol/g	millimole per gram
497	mmol/g{creat}	millimole per gram of creatinine
498	mmol/h	millimole per hour
499	mmol/h/mg{Hb}	millimole per hour per milligram of hemoglobin
500	mmol/h/mg{protein }	millimole per hour per milligram of protein
501	mmol/kg	millimole per kilogram
502	mmol/kg/(8.h)	millimole per kilogram per 8 hour
503	mmol/kg/d	millimole per kilogram per day

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
504	mmol/kg/h	millimole per kilogram per hour
505	mmol/kg/min	millimole per kilogram per minute
506	mmol/L	millimole per liter
507	mmol/L{RBCs}	millimole per liter of red blood cells
508	mmol/mmol	millimole per millimole
509	mmol/mmol{urea}	millimole per millimole of urea
510	mmol/mmol{creat}	millimole per millimole of creatinine
511	mmol/min	millimole per minute
512	mmol/mol	millimole per mole
513	mmol/mol{creat}	millimole per mole of creatinine
514	mmol/s/L	millimole per second per liter
515	mmol/{specimen}	millimole per specimen
516	mmol/m ²	millimole per square meter
517	mmol/{total_vol}	millimole per total volume
518	10*6	million
519	10*6.[CFU]/L	million colony forming unit per liter
520	10*6.[IU]	million international unit
521	10*6/(24.h)	million per 24 hour
522	10*6/kg	million per kilogram
523	10*6/L	million per liter
524	10*6/uL	million per microliter

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
525	10*6/mL	million per milliliter
526	mosm	milliosmole
527	mosm/kg	milliosmole per kilogram
528	mosm/L	milliosmole per liter
529	mPa	millipascal
530	mPa.s	millipascal second
531	ms	millisecond
532	mV	millivolt
533	{minidrop}/min	minidrop per minute
534	{minidrop}/s	minidrop per second
535	min	minute
536	mol	mole
537	mol/	mole per
538	mol/m ³	mole per cubic meter
539	mol/kg	mole per kilogram
540	mol/kg/s	mole per kilogram per second
541	mol/L	mole per liter
542	mol/mL	mole per milliliter
543	mol/mol	mole per mole
544	mol/s	mole per second
545	{molecule}/{platelet}	molecule per platelet

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
546	mo	month
547	{mm/dd/yyyy}	month-day-year
548	{M.o.M}	multiple of the median
549	{mutation}	mutation
550	nU/mL	nanoenzyme unit per milliliter
551	nU/{RBC}	nanoenzyme unit per red blood cell
552	ng	nanogram
553	ng{FEU}/mL	nanogram fibrinogen equivalent unit per milliliter
554	ng/(24.h)	nanogram per 24 hour
555	ng/(8.h)	nanogram per 8 hour
556	ng/d	nanogram per day
557	ng/dL	nanogram per deciliter
558	ng/U	nanogram per enzyme unit
559	ng/g	nanogram per gram
560	ng/g{creat}	nanogram per gram of creatinine
561	ng/h	nanogram per hour
562	ng/kg	nanogram per kilogram
563	ng/kg/(8.h)	nanogram per kilogram per 8 hour
564	ng/kg/h	nanogram per kilogram per hour
565	ng/kg/min	nanogram per kilogram per minute
566	ng/L	nanogram per liter

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
567	ng/mg	nanogram per milligram
568	ng/mg{creat}	nanogram per milligram of creatinine
569	ng/mg{protein}	nanogram per milligram of protein
570	ng/mg/h	nanogram per milligram per hour
571	ng/mL{RBCs}	nanogram per milliliter of red blood cells
572	ng/mL/h	nanogram per milliliter per hour
573	ng/10*6	nanogram per million
574	ng/10*6{RBCs}	nanogram per million red blood cells
575	ng/mL	nanogram per milliliter
576	ng/min	nanogram per minute
577	ng/s	nanogram per second
578	ng/m2	nanogram per square meter
579	nkat	nanokatal
580	nL	nanoliter
581	nm	nanometer
582	nm/s/L	nanometer per second per liter
583	nmol	nanomole
584	nmol{BCE}	nanomole bone collagen equivalent
585	nmol{BCE}/L	nanomole bone collagen equivalent per liter
586	nmol{BCE}/mmol{creat}	nanomole bone collagen equivalent per millimole of creatinine
587	nmol{1/2cys}/mg{protein}	nanomole of 1/2 cystine per milligram of protein

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
588	nmol{ATP}	nanomole of ATP
589	nmol/(24.h)	nanomole per 24 hour
590	nmol/d	nanomole per day
591	nmol/dL	nanomole per deciliter
592	nmol/dL{GF}	nanomole per deciliter of glomerular filtrate
593	nmol/g	nanomole per gram
594	nmol/g{creat}	nanomole per gram of creatinine
595	nmol/g{dry_wt}	nanomole per gram of dry weight
596	nmol/h/L	nanomole per hour per liter
597	nmol/h/mg{protein}	nanomole per hour per milligram of protein
598	nmol/L	nanomole per liter
599	nmol/L{RBCs}	nanomole per liter of red blood cells
600	nmol/L/mmol{creat}	nanomole per liter per millimole of creatinine
601	nmol/m/mg{protein}	nanomole per meter per milligram of protein
602	nmol/umol{creat}	nanomole per micromole of creatinine
603	nmol/mg	nanomole per milligram
604	nmol/mg{creat}	nanomole per milligram of creatinine
605	nmol/mg{protein}	nanomole per milligram of protein
606	nmol/mg{protein}/h	nanomole per milligram of protein per hour
607	nmol/mg/h	nanomole per milligram per hour
608	nmol/mL	nanomole per milliliter

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
609	nmol/mL/h	nanomole per milliliter per hour
610	nmol/mL/min	nanomole per milliliter per minute
611	nmol/mmol	nanomole per millimole
612	nmol/mmol{creat}	nanomole per millimole of creatinine
613	nmol/min	nanomole per minute
614	nmol/min/mg{Hb}	nanomole per minute per milligram of hemoglobin
615	nmol/min/mg{protein}	nanomole per minute per milligram of protein
616	nmol/min/mL	nanomole per minute per milliliter
617	nmol/min/10*6{cells}	nanomole per minute per million cells
618	nmol/mol	nanomole per mole
619	nmol/nmol	nanomole per nanomole
620	nmol/s	nanomole per second
621	nmol/s/L	nanomole per second per liter
622	ns	nanosecond
623	N	Newton
624	N.cm	Newton centimeter
625	N.s	Newton second
626	{#}	number
627	{#}/[HPF]	number per high power field
628	{#}/L	number per liter
629	{#}/[LPF]	number per low power field

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
630	{#}/uL	number per microliter
631	{#}/mL	number per milliliter
632	{#}/min	number per minute
633	Ohm	Ohm
634	Ohm.m	Ohm meter
635	10*5	one hundred thousand
636	{OD_unit}	optical density unit
637	osm	osmole
638	osm/kg	osmole per kilogram
639	osm/L	osmole per liter
640	[oz_av]	ounce (US and British)
641	{Pan_Bio'U}	panbio unit
642	[ppb]	part per billion
643	[ppm]	part per million
644	[ppm]{v/v}	part per million in volume per volume
645	[ppth]	part per thousand
646	[ppt]	part per trillion
647	Pa	Pascal
648	/10*10	per 10 billion
649	/10*4{RBCs}	per 10 thousand red blood cells
650	/100	per 100

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
651	/100{cells}	per 100 cells
652	/100{neutrophils}	per 100 neutrophils
653	/100{spermatozoa}	per 100 spermatozoa
654	/100{WBCs}	per 100 white blood cells
655	/[arb'U]	per arbitrary unit
656	/10*9	per billion
657	/cm[H2O]	per centimeter of water
658	/m3	per cubic meter
659	/d	per day
660	/dL	per deciliter
661	/[entity]	per entity
662	/U	per enzyme unit
663	/g	per gram
664	/g{creat}	per gram of creatinine
665	/g{Hb}	per gram of hemoglobin
666	/g{tot_nit}	per gram of total nitrogen
667	/g{tot_prot}	per gram of total protein
668	/g{wet_tis}	per gram of wet tissue
669	/[HPF]	per high power field
670	/h	per hour
671	/[IU]	per international unit

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

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(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
672	/kg	per kilogram
673	/kg{body_wt}	per kilogram of body weight
674	/L	per liter
675	/[LPF]	per low power field
676	/uL	per microliter
677	/mg	per milligram
678	/mL	per milliliter
679	/mm	per millimeter
680	/mmol{creat}	per millimole of creatinine
681	/10*6	per million
682	/min	per minute
683	/mo	per month
684	/[OIF]	per oil immersion field
685	/s	per second
686	/m2	per square meter
687	/10*3	per thousand
688	/10*3.{RBCs}	per thousand red blood cells
689	/10*12	per trillion
690	/10*12{RBCs}	per trillion red blood cells
691	/[12.h)	per twelve hour
692	/wk	per week

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
693	/a	per year
694	%	percent
695	%{loss_AChR}	percent loss of acetylcholine receptor
696	%{penetration}	percent penetration
697	%{abnormal}	percent abnormal
698	%{activity}	percent activity
699	%{aggregation}	percent aggregation
700	%{at_60_min}	percent at 60 minute
701	%{basal_activity}	percent basal activity
702	%{binding}	percent binding
703	%{blockade}	percent blockade
704	%{blocked}	percent blocked
705	%{bound}	percent bound
706	%{breakdown}	percent breakdown
707	%{vol}	percent by volume
708	%{deficient}	percent deficient
709	%{dose}	percent dose
710	%{excretion}	percent excretion
711	%{Hb}	percent hemoglobin
712	%{hemolysis}	percent hemolysis
713	%{index}	percent index

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

10/4/2011

(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)	Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
714	%{inhibition}	percent inhibition	735	{phenotype}	phenotype
715	%{loss}	percent loss	736	pA	picoampere
716	%{lysis}	percent lysis	737	pg	picogram
717	%{normal}	percent normal	738	pg/{cell}	picogram per cell
718	%{normal_pooled_plasma}	percent normal pooled plasma	739	pg/dL	picogram per deciliter
719	%{bacteria}	percent of bacteria	740	pg/L	picogram per liter
720	%{baseline}	percent of baseline	741	pg/mg	picogram per milligram
721	%{cells}	percent of cells	742	pg/mg{creat}	picogram per milligram of creatinine
722	%{RBCs}	percent of red blood cells	743	pg/mL	picogram per milliliter
723	%{WBCs}	percent of white blood cells	744	pg/mm	picogram per millimeter
724	%{positive}	percent positive	745	pg/{RBC}	picogram per red blood cell
725	%{reactive}	percent reactive	746	pkat	picokatal
726	%{recovery}	percent recovery	747	pL	picoliter
727	%{reference}	percent reference	748	pm	picometer
728	%{residual}	percent residual	749	pmol	picomole
729	%{saturation}	percent saturation	750	pmol/(24.h)	picomole per 24 hour
730	%{total}	percent total	751	pmol/d	picomole per day
731	%{uptake}	percent uptake	752	pmol/dL	picomole per deciliter
732	%{viable}	percent viable	753	pmol/g	picomole per gram
733	{percentile}	percentile	754	pmol/h/mg{protein}	picomole per hour per milligram of protein
734	[pH]	pH	755	pmol/h/mL	picomole per hour per milliliter

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Table of Example* UCUM codes for Electronic Messaging – version 1.1

10/4/2011

(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
756	pmol/L	picomole per liter
757	pmol/umol	picomole per micromole
758	pmol/umol{creat}	picomole per micromole of creatinine
759	pmol/mg{protein}	picomole per milligram of protein
760	pmol/mL	picomole per milliliter
761	pmol/mmol{creat}	picomole per millimole of creatinine
762	pmol/min	picomole per minute
763	pmol/min/mg{protein}	picomole per minute per milligram of protein
764	pmol/{RBC}	picomole per red blood cell
765	ps	picosecond
766	pT	picotesla
767	[pt_us]	pint (US)
768	[lb_av]	pound (US and British)
769	[psi]	pound per square inch
770	[qt_us]	quart (US)
771	{ratio}	ratio
772	{RBC}/uL	red blood cell per microliter
773	%{relative}	relative percent
774	{relative_saturation}	relative saturation
775	{Rubella_virus}	rubella virus
776	{saturation}	saturation

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
777	s	second
778	s/{control}	second per control
779	{shift}	shift
780	S	Siemens
781	Sv	Sievert
782	{s_co_ratio}	signal to cutoff ratio
783	{spermatozoa}/mL	spermatozoa per milliliter
784	cm ²	square centimeter
785	cm ² /s	square centimeter per second
786	dm ² /s ²	square decimeter per square second
787	[sft_i]	square foot (international)
788	[sin_i]	square inch (international)
789	m ²	square meter
790	m ² /s	square meter per second
791	mm ²	square millimeter
792	[syd_i]	square yard (international)
793	{STDV}	standard deviation
794	[tbs_us]	tablespoon (US)
795	[tsp_us]	teaspoon (US)
796	T	Tesla
797	10*3	thousand

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◆ In Row # column indicates corrected UCUM code since version 1.0 release of this Table. See correction details in the .xls version of this file available at: <http://loinc.org/usage>

Table of Example* UCUM codes for Electronic Messaging – version 1.1

10/4/2011

(Table sorted by "Description of the Unit" column)

Row # (not a code)	UCUM_CODE	Description of the Unit (using UCUM descriptions where they exist)
798	10*3{copies}/mL	thousand copies per milliliter
799	10*3/L	thousand per liter
800	10*3/uL	thousand per microliter
801	10*3/mL	thousand per milliliter
802	10*3{RBCs}	thousand red blood cells
803	{TSI_index}	thyroid-stimulating immunoglobulin index
804	{titer}	titer
805♦	[todd'U]	Todd unit
806	Torr	Torr
807	10*12/L	trillion per liter
808	[oz_tr]	Troy ounce
809	[tb'U]	tuberculin unit
810	V	volt
811	Wb	Weber
812	wk	week
813	{WBCs}	white blood cells
814	[yd_i]	yard (international)
815	a	year

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