

ICH M5 EWG

**Units and Measurements
Controlled Vocabulary**

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**This controlled vocabulary has been developed
by the ICH M5 Expert Working Group.**

ICH M5 Controlled Vocabulary Units and Measurements

The following pages contain the Units and Measurements ICH M5 Controlled Vocabulary.

For each unit/measurement the following information is reported:

- 1) TermID = Temporary TermID assigned to the unit/measurement within the controlled vocabulary
- 2) Unit Symbol = Symbol used for the unit/measurement
- 3) Unit Description = Description of the unit/measurement
- 4) E2B(M) Code = Unit/measurement E2B(M) Code (if available)
- 5) Japanese = The translation in Japanese of the unit/measurement (if available)

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0001	EID50	50% embryo infective dose		
0002	EID50/dose	50% embryo infective dose/dose		
0003	AU/ml	allergy unit(s)/millilitre		
0004	A	ampere		
0005	AgU	antigen unit(s)		
0006	AgU/ml	antigen unit(s)/millilitre		
0007	ATU	anti-thrombin unit(s)		
0008	anti-Xa IU	anti-Xa activity international unit(s)		
0009	anti-Xa IU/ml	anti-Xa activity international unit(s)/millilitre		
0010	Bq	becquerel(s)	14	ベクレル
0011	Bq/g	becquerel(s)/gram		
0012	Bq/kg	becquerel(s)/kilogram		
0013	Bq/l	becquerel(s)/litre		
0014	Bq/μg	becquerel(s)/microgram		
0015	Bq/μl	becquerel(s)/microlitre		
0016	Bq/mg	becquerel(s)/milligram		
0017	Bq/ml	becquerel(s)/millilitre		
0018	billion CFU	billion colony forming units		
0019	billion CFU/g	billion colony forming units/gram		
0020	billion CFU/ml	billion colony forming units/millilitre		
0021	billion organisms	billion organisms		
0022	billion organisms/g	billion organisms/gram		
0023	billion organisms/mg	billion organisms/milligram		
0024	billion organisms/ml	billion organisms/millilitre		
0025	cd	candela		
0026	CCID50	cell culture infective dose 50		
0027	CCID50/dose	cell culture infective dose 50/dose		
0028	°C	celsius temperature		
0029	CFU/g	colony forming unit(s)/gram		
0030	CFU/ml	colony forming unit(s)/millilitre		
0031	Co	coulomb		
0032	m ³	cubic meter		
0033	Ci	curie(s)	18	
0034	Ci/g	curie(s)/gram		
0035	Ci/kg	curie(s)/kilogram		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0036	Ci/l	curie(s)/litre		
0037	Ci/μg	curie(s)/microgram		
0038	Ci/μl	curie(s)/microlitre		
0039	Ci/mg	curie(s)/milligram		
0040	Ci/ml	curie(s)/millilitre		
0041	D _{AgU}	D antigen unit(s)		
0042	D _{AgU/ml}	D antigen unit(s)/millilitre		
0043	d	day		
0044	°	degree		
0045	DF	dosage form	32	
0046	G _{tt}	drop(s)	31	
0047	ELISA unit	enzyme-linked immunosorbent assay unit		
0048	ELISA unit/dose	enzyme-linked immunosorbent assay unit/dose		
0049	ELISA unit/ml	enzyme-linked immunosorbent assay unit/millilitre		
0050	F	farad		
0051	FAI50	fluorescent assay infectious dose 50%		
0052	FAI50/dose	fluorescent assay infectious dose 50%/dose		
0053	GBq	gigabecquerel(s)	15	
0054	GBq/g	gigabecquerel/gram		
0055	GBq/Kg	gigabecquerel/kilogram		
0056	GBq/l	gigabecquerel/litre		
0057	GBq/μg	gigabecquerel/microgram		
0058	GBq/μl	gigabecquerel/microlitre		
0059	GBq/mg	gigabecquerel/milligram		
0060	GBq/ml	gigabecquerel/millilitre		
0061	g (titre)	gram (titre)		g (力価)
0062	g	gram(s)	2	g
0063	g/m ³	gram(s)/cubic meter		
0064	g/l	gram(s)/litre		
0065	g/ml	gram(s)/millilitre		
0066	g/m ²	gram(s)/square meter		
0067	Gy	gray		
0068	H	henry		
0069	Hz	hertz		
0070	h	hour		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0071	IOU	international opacity unit(s)		
0072	IU	international unit(s)	25	国際単位
0073	IU/g	international unit(s)/gram		
0074	IU/kg	international unit(s)/kilogram	28	
0075	IU/l	international unit(s)/litre		
0076	IU/mg	international unit(s)/milligram		
0077	IU/ml	international unit(s)/millilitre		
0078	J	joule		
0079	KIU/ml	kallikrein inactivator unit/millilitre		
0080	kat	katal		
0081	K	kelvin		
0082	kIU	kilo international units	26	千国際単位
0083	kUSP units	kilo United States pharmacopoeia units		
0084	kunits	kilo units		千単位
0085	kBq	kilobecquerel(s)	17	キロベクレル
0086	kBq/g	kilobecquerel(s)/gram		
0087	KBq/kg	kilobecquerel(s)/kilogram		
0088	kBq/l	kilobecquerel(s)/litre		
0089	kBq/μg	kilobecquerel(s)/microgram		
0090	kBq/μl	kilobecquerel(s)/microlitre		
0091	kBq/mg	kilobecquerel(s)/milligram		
0092	kBq/ml	kilobecquerel(s)/millilitre		
0093	kg	kilogram(s)	1	
0094	kg/m ³	kilogram(s)/cubic meter		
0095	kg/l	kilogram(s)/litre		
0096	kg/m ²	kilogram(s)/square meter		
0097	LacU	lactose unit(s)		
0098	LfU	lime flocculation unit(s)		L f 単位
0099	LfU/ml	lime flocculation unit(s)/millilitre		
0100	l	litre(s)	11	L
0101	log ₁₀ EID ₅₀	log 10 50% embryo infective dose		
0102	log ₁₀ EID ₅₀ /dose	log 10 50% embryo infective dose/dose		
0103	log ₁₀ CCID ₅₀	log ₁₀ cell culture infective dose 50		
0104	log ₁₀ CCID ₅₀ /dose	log ₁₀ cell culture infective dose 50/dose		
0105	log ₁₀ ELISA unit	log ₁₀ enzyme-linked immunosorbent assay unit		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0106	log10 ELISA unit/dose	log10 enzyme-linked immunosorbent assay unit/dose		
0107	log10 FAI50	log10 fluorescent assay infectious dose 50%		
0108	log10 FAI50/dose	log10 fluorescent assay infectious dose 50%/dose		
0109	log10 PFU	log10 plaque forming unit(s)		
0110	log10 PFU/dose	log10 plaque forming unit(s)/dose		
0111	log10 TCID50	log10 tissue culture infective dose 50		
0112	log10 TCID50/dose	log10 tissue culture infective dose 50/dose		
0113	log10/ml	log10/ml		
0114	LU	loomis unit		
0115	LU/g	loomis unit/gram		
0116	LU/ml	loomis unit/millilitre		
0117	lm	lumen		
0118	lx	lux		
0119	MUSP units	mega United States pharmacopoeia units		
0120	MBq	megabecquerel(s)	16	メガベクレル
0121	MBq/g	megabecquerel(s)/gram		
0122	MBq/kg	megabecquerel(s)/kilogram		
0123	MBq/l	megabecquerel(s)/litre		
0124	MBq/μg	megabecquerel(s)/microgram		
0125	MBq/μl	megabecquerel(s)/microlitre		
0126	MBq/mg	megabecquerel(s)/milligram		
0127	MBq/ml	megabecquerel(s)/millilitre		
0128	m	meter		
0129	μCi	microcurie(s)	20	
0130	μCi/g	microcurie(s)/gram		
0131	μCi/kg	microcurie(s)/kilogram		
0132	μCi/l	microcurie(s)/litre		
0133	μCi/μg	microcurie(s)/microgram		
0134	μCi/μl	microcurie(s)/microlitre		
0135	μCi/mg	microcurie(s)/milligram		
0136	μCi/ml	microcurie(s)/millilitre		
0137	μg	microgram(s)	4	μ g
0138	μg/m ³	microgram(s)/cubic meter		
0139	μg/kg	microgram(s)/kilogram	8	
0140	μg/l	microgram(s)/litre		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0141	µg/µl	microgram(s)/microlitre		
0142	µg/ml	microgram(s)/millilitre		
0143	µg/m ²	microgram(s)/square meter	10	
0144	µkat	microkatal		
0145	µkat	microkatal(s)		
0146	µl	microlitre(s)	13	µ L
0147	µl/ml	microlitre(s)/millilitre		
0148	µmol	micromole(s)	24	
0149	µmol/l	micromole(s)/litre		
0150	µmol/ml	micromole(s)/millilitre		
0151	mCi	millicurie(s)	19	
0152	mCi/g	millicurie(s)/gram		
0153	mCi/kg	millicurie(s)/kilogram		
0154	mCi/l	millicurie(s)/litre		
0155	mCi/µg	millicurie(s)/microgram		
0156	mCi/µl	millicurie(s)/microlitre		
0157	mCi/mg	millicurie(s)/milligram		
0158	mCi/ml	millicurie(s)/millilitre		
0159	mEq	milliequivalent(s)	29	
0160	mEq/g	milliequivalent(s)/gram		
0161	mEq/kg	milliequivalent(s)/kilogram		
0162	mEq/l	milliequivalent(s)/litre		
0163	mEq/µg	milliequivalent(s)/microgram		
0164	mEq/µl	milliequivalent(s)/microlitre		
0165	mEq/mg	milliequivalent(s)/milligram		
0166	mEq/ml	milliequivalent(s)/millilitre		
0167	mg (titer)	milligram (titer)		
0168	mg	milligram(s)	3	m g
0169	mg/m ³	milligram(s)/cubic meter		
0170	mg/g	milligram(s)/gram		
0171	mg/kg	milligram(s)/kilogram	7	
0172	mg/l	milligram(s)/litre		
0173	mg/ml	milligram(s)/millilitre		
0174	mg/m ²	milligram(s)/square meter	9	
0175	mkat	millikatal		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
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0176	ml	millilitre(s)	12	m L
0177	ml/cm ²	millilitre(s)/square cm		
0178	mm	millimeter(s)		
0179	mmol	millimole(s)	23	
0180	mmol/g	millimole(s)/gram		
0181	mmol/kg	millimole(s)/kilogram		
0182	mmol/l	millimole(s)/litre		
0183	mmol/ml	millimole(s)/millilitre		
0184	million CFU	million colony forming units		
0185	million CFU/g	million colony forming units/gram		
0186	million CFU/ml	million colony forming units/millilitre		
0187	million IU	million international units	27	百万国
0188	million organisms	million organisms		
0189	million organisms/g	million organisms/gram		
0190	million organisms/mg	million organisms/milligram		
0191	million organisms/ml	million organisms/millilitre		
0192	million USP units	million United States pharmacopoeia units		
0193	million unit	million units		百万单位
0194	mOsm/kg	milliosmol(s)/kilogram		
0195	min	minute		
0196	mol	mole(s)	22	
0197	mol/g	mole(s)/gram		
0198	mol/kg	mole(s)/kilogram		
0199	mol/l	mole(s)/litre		m o l / L
0200	mol/mg	mole(s)/milligram		
0201	mol/ml	mole(s)/millilitre		
0202	nCi	nanocurie(s)	21	
0203	ng	nanogram(s)	5	n g
0204	nkat	nanokatal		
0205	nl	nanolitre(s)		n L
0206	nmol	nanomole(s)		
0207	nmol/ml	nanomole(s)/millilitre		
0208	N	newton		
0209	NIH units/cm ²	NIH units of thrombin inhibited/square centimeter		
0210	Ω	ohm		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0211	OZ	ounce		
0212	PPM	part per million		
0213	P	pascal		
0214	%	percent	30	%
0215	% (V/V)	percent volume/volume		(V/V)%
0216	% (W/V)	percent weight/volume		(W/V)%
0217	% (W/W)	percent weight/weight		(W/W)%
0218	pg	picogram(s)	6	
0219	pkat	picokatal		
0220	PFU	plaque forming unit		
0221	PFU e.1000 mouse LD50	plaque forming unit equiv 1000 mouse LD50		
0222	PFU/dose	plaque forming unit(s)/dose		
0223	PFU/ml	plaque forming unit(s)/millilitre		
0224	pock forming unit	pock forming unit(s)		
0225	LB	pound		
0226	pressor units/ml	pressor units/millilitre		
0227	PNU/ml	protein nitrogen units/millilitre		
0228	QS	quantity sufficient		
0229	r/min	revolution/minute		
0230	s	second		
0231	S	siemens		
0232	Sv	sievert		
0233	cm2	square centimeter		
0234	m2	square meter		
0235	T	tesla		
0236	thousand CFU	thousand colony forming units		
0237	thousand CFU/g	thousand colony forming units/gram		
0238	thousand CFU/mL	thousand colony forming units/millitre		
0239	thousand organisms	thousand organisms		
0240	thousand organisms/g	thousand organisms/gram		
0241	thousand organisms/ml	thousand organisms/millilitre		
0242	TCID50/dose	tissue culture infective dose 50/dose		
0243	titre	titre		
0244	t	tonne		
0245	tuberculin unit	tuberculin unit(s)		

TermID	Unit Symbol	Unit Description	E2BM Code	Japanese
0246	tuberculin unit/ml	tuberculin unit(s)/millitre		
0247	U	unit(s)		単位
0248	U/g	unit(s)/gram		
0249	U/ml	unit(s)/millilitre		
0250	USP unit	United States pharmacopoeia unit		
0251	V	volt		
0252	W	watt		
0253	Wb	weber		