

Abbreviations

A, ampere	FRAP, fluorescence recovery after photobleaching	μ osmol, microsmole(s) mosmol, milliosmole(s)
μ A, microampere(s)		
mA, milliampere(s)	g, gram	<i>P</i> , probability
Å, angstrom (10^{-10} m)	g, unit of gravity	PAGE, polyacrylamide gel electrophoresis
ACTH, adrenocorticotropin	GTP, guanosine triphosphate	PBS, phosphate-buffered saline
ADP, adenosine diphosphate	h, hour	PCA, perchloric acid
AMP, adenosine monophosphate	HBSS, Hanks' balanced salt solution	PCR, polymerase chain reaction
cAMP, cyclic AMP	Hepes, <i>N</i> -2-hydroxyethylpiperazine- <i>N'</i> -2-ethane sulfonic acid	PDGF, platelet-derived growth factor
ATP, adenosine triphosphate	HPLC, high performance liquid chromatography	P_i , inorganic orthophosphate
ATPase, adenosine triphosphatase	HRP, horseradish peroxidase	Pipes, [1,4-piperazinebis(ethane sulfonic acid)]
		PMA, phorbol myristate acetate
BHK, baby hamster kidney		PMSF, phenylmethylsulfonyl fluoride
bp, base pair	i.d., internal diameter	
BSA, bovine serum albumin	IEF, isoelectric focusing	<i>r</i> , correlation coefficient
	Ig, immunoglobulin	RBC, red blood cell
cDNA, complementary DNA	i.l., intraluminal	RER, rough endoplasmic reticulum
$^{\circ}$ C, degree Celsius	i.m., intramuscular	RIA, radioimmunoassay
CHAPS, 3-(3-cholamidopropyl)diethylammonio-1 propanesulfonate	i.p., intraperitoneal	RNA, ribonucleic acid
CHO, Chinese hamster ovary	IU, international unit(s)	mRNA, messenger RNA
Ci, curie(s)	i.v., intravenous	tRNA, transfer RNA
μ Ci, microcurie(s)	kb, kilobase(s)	RNase, ribonuclease
mCi, millicurie(s)	kbp, kilobase pair(s)	RNP, ribonucleoprotein
Con A, concanavalin A	kD, kilodalton(s)	rpm, revolutions per minute
cpm, counts per minute		
cps, counts per second	liter(s), liter(s)	s, seconds(s)
CTP, cytidine triphosphate	μ l, microliter(s)	<i>s</i> , sedimentation coefficient
cycle/min, cycle(s) per minute	ml, milliliter(s)	S, Svedberg unit of sedimentation coefficient
cycle/s, cycle(s) per second		SD, standard deviation
	m, meter	SDS, sodium dodecyl sulfate
D, dalton	μ m, micrometer(s)	SEM, standard error of the mean
d, day	M, molar	sp act, specific activity
<i>d</i> , density	mAb, monoclonal antibody	SSC, standard saline citrate
DAB, diaminobenzidine	MDCK, Madin-Darby canine kidney	SV-40, simian virus 40
DEAE, diethylaminoethyl	MEM, Eagle's minimum essential medium	
diam, diameter	MES, 2-(<i>N</i> -morpholino)ethane sulfonic acid	<i>t</i> test, Student's <i>t</i> test
DME, Dulbecco's modified Eagle's medium	mo, month	$t_{1/2}$, half-life, half-time
DMSO, dimethyl sulfoxide	mol, mole(s)	TBS, Tris-buffered saline
DNA, deoxyribonucleic acid	mol wt, molecular weight	TCA, trichloroacetic acid
DNase, deoxyribonuclease	MOPS, morpholino propane sulfonic acid	TdR, thymidine deoxyribose
DNP, dinitrophenyl	M_r , relative molecular mass	TGF, transforming growth factor
dpm, disintegrations per minute	N, normal (concentration of ionizable groups)	TGN, <i>trans</i> -Golgi network
dps, disintegrations per second	<i>n</i> , number in a study or group	TIU, trypsin inhibitor units
DTT, dithiothreitol	NA, numerical aperture	TLC, thin layer chromatography
	NAD ⁺ , nicotinamide adenine dinucleotide	TRITC, tetramethylrhodamine isothiocyanate
EDTA, ethylenediaminetetraacetic acid	NADH, NAD ⁺ reduced	Tris, tris(hydroxymethyl)aminomethane
EGF, epidermal growth factor	NADP, NAD ⁺ phosphate	
EGTA, ethyleneglycol-bis(β -aminoethyl ether)- <i>N,N'</i> -tetraacetic acid	NADPH, NADP reduced	U, unit
ELISA, enzyme-linked immunosorbent assay	NBD, nitrobenzoxadiazole	UDP, uridine diphosphate
EM, electron microscopy	ND, not determined	UTP, uridine triphosphate
ER, endoplasmic reticulum	NEPHGE, nonequilibrium pH gradient electrophoresis	UV, ultraviolet
	NGF, nerve growth factor	
$^{\circ}$ F, degree Fahrenheit	No., number	V, volt
FACS [®] , registered trademark of Becton Dickinson and Company for a fluorescence-activated cell sorter	NP-40, Nonidet P-40	vol, volume
FBS, fetal bovine serum	NS, not significant	
FCS, fetal calf serum		W, watt
FGF, fibroblast growth factor	OD, optical density	WGA, wheat germ agglutinin
FITC, fluorescein isothiocyanate	osM, osmolar	wk, week
	osmol, osmole(s)	wt, weight
		yr, year