Notes to Authors

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Original manuscript plus two copies should be sent to the Editor-in-Chief. Two copies of in-press and submitted manuscripts, if cited, should also be enclosed. Submitted papers should conform to the following:

1. Manuscripts should be printed with a font size of 11.5 or 12 (also References, Tables and Figure legends) and preferably in 25 lines per page with 2.5 cm-wide margins on the right and left sides of the paper. Please do not justify the right margin.
2. The first page should include (1) the title of the manuscript (without subtitle), (2) the name (s) of all author (s), (3) the institution (s) where the work was done and the full address including postal code, (4) telephone number and fax number, and e-mail (5) the present address, if necessary, (6) the corresponding author's name (please mark with asterisk) and the full address, (7) a list of three to five key words, and (8) a short 'running title' of no more than 40 characters.
3. The text of original paper should be divided into (a) an ABSTRACT of within 200 words, (b) INTRODUCTION, (c) MATERIALS AND METHODS (d) RESULTS, (e) DISCUSSION, (f) ACKNOWLEDGMENTS and (g) REFERENCES. Items (d) and (e) may be combined. In notes and communications, (a) should be within 150 words and the text should not be divided, except for (a) and (g). Please indicate in the right margin where figures and tables are to be inserted.
4. The paper should not form part of a numbered series.
5. For key words, general terms such as 'Membrane', 'Structure', 'Enzyme', 'Inactivation', etc. should not be used. Instead, e.g. 'Membrane structure', 'Enzyme inactivation' are appropriate.
6. Line drawing should be in black ink on white paper. Half-tone photograph should be submitted as sharp and contrasting glossy prints. Legends for these must be typed on a separate sheet. These should be of a quality suitable for direct repro

duction and approximately twice the size that they will appear. The preferable width of printed size for column is within 75mm. The maximum printed size for page is 165mm × 220 mm. Figures and tables should also be compiled on separate sheets, each of which author (s)' names and the number were noted with pencil.

7. For nomenclature, abbreviations and units authors should follow internationally accepted general rules. See Tables 1, 2, and 3.
8. References in the text should be cited as follows: for two authors, Hugo and Franklin (1968) ; for three or more authors, Reid et al. (1995). References to papers by the same author (s) in the same year should be distinguished by the letters, a, b, c, etc. (for example, 1995a). References at the end of the paper must be given in alphabetical order, except for papers with three or more authors, which should be listed in chronological order after any other papers by the first author. See examples below for references to journals and books.

   Hugo, W. B., and Franklin, I. (1968) Cellular lipid and the antistaphylococcal activity of phenols. *J. Gen. Microbiol*., **52**, 365-373.

   Kourai, H., Manabe, Y., Matsutani, E., Hasegawa, Y., and Nakagawa, K. (1995) Antimicrobial activities of alkylallyldimethylammonium iodides and alkylallyldiethylammonium iodides. *J. Antibact. Antifung. Agents*, **23**, 271-280. 〔Before 1996〕

   Ueda, S., Mineno, J., and Kuwabara, Y. (1999) Evaluation of the PCR method for the detection of verotoxin-producing *Escherichia coli* in foods and other meterials (in Japanese). *Bokin Bobai*, **27**, 441-446. 〔After 1997〕

   Reid, G., Khoury, A., and Nickel, J. C. (1991) The process of microbial biofilm formation in medical devices. In *Biodeterioration and Biodegradation 8* (Rossmoore, H. W., ed.), pp. 187-195, Elsevier Science Publishers, New York.
9. Submission on disk is obliged. The preferred storage medium is a 3.5 inch disk. After final acceptance, the disk (labeled with corresponding author's name, the file name (please give one name for whole article), the type of computer, and word-processing package used) plus one final, printed version as a printout should be submitted together to the Editorial Office. Authors should confirm that the file on disk and the printout are identical.
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Authors in Japan also should refer 'the Instructions to Authors in Japanese', which is described in *Journal of Antibacterial and Antifungal Agents*, vol. 42, no. 3, pp. 167-177 (2013), before submission of the paper.

The Code of Ethics of the Society for Antibacterial and Antifungal Agents, Japan is as follows:

1) The papers intended for the human body shall be the studies conducted with respect for "the Declaration of Helsinki" (1964, Revised 2008), "Ethical Guidelines

for Epidemiological Studies" by the Ministry of Education/ the Ministry of Health, Labor and Welfare; "Ethical Guidelines for Clinical Studies" by the Ministry of Health, Labor and Welfare; "Ethical Guidelines for Studies on the Human Genome and Gene Analyses" by the Ministry of Education / the Ministry of Health, Labor and Welfare / the Ministry of Economy, Trade and Industry and other similar ethical guidelines. In either case, please add a note, in a submitted paper, that the study has been conducted with the approval of the Ethical Review Board of an affiliated organization.

2) The papers dealing with animals shall be the studies that have been conducted with respect for the guideline for animal experiments specified by the Ethical Review Board of the affiliated organization based on the intention of "Act on Welfare and Management of Animals"; "Basic Guidlines for Conducting Animal Experiments in the Organization Under the Jurisdiction of the Ministry of Health, Labour and Welfare"; and "Standard for Breeding/Safekeeping of Animals for Experiments and the Reduction of Pain" by the Ministry of the Environment. Please add a note, in a submitted paper, that the study has been conducted with the approval of the Ethical Review Board of an affiliated organization.

TABLE 1 . Selected quantities, units, and symbols.

Quantity	Symbol	Unit
Time	*t*	yr (not year), mo (not month), wk (not week), d (not day), h (not hour), min, s (not second), ms, μs, ns
Length	*l*	m, mm, μm (not μ), nm
Area	*A*	m^2, cm^2, mm^2, μm^2, nm^2
Volume	*V*	m^3, dm^3, cm^3, mm^3, μm^3, nm^3 kl, *l*, ml, μl, nl
Mass	*m*	kg, mg, μg (not γ), ng
Concentration	*C*	M, mM, μM, nM
Amount of substance	*n*	mol, mmol, μmol, nmol
Molecular mass	*m*	Da (dalton)
Relative molecular mass	*Mr*	dimensionless
Molar mass	*M*	$g \cdot mol^{-1}$
Temperature	*T*	K, ℃
Heat	*q, Q*	kJ, J (not cal)
Electricity and magnetism		
Electric current	*I*	A, mA, μA
Potential difference	*V*	V, mV, μV
Capacitance	*C*	F (farad)
Magnetic field strength	*H*	G (gauss)
Resistance	*R*	Ω
Conductivity	κ	S (Ω^{-1})
Force	*F*	N ($kg \cdot m \cdot s^{-2}$)
Pressure	*P*	Pa ($N \cdot m^{-2}$), atm, bar, mbar, torr, kg/cm^2, mm Hg
Sedimentation coefficient	*s*	S ($=10^{13}$s)
Density	ρ	$g \cdot cm^{-3}$
Relative density	*d*	dimensionless
Viscosity	η	P (=0.1 Pa·s)
Frequency	*ν, f*	Hz
Wavelength	λ	nm (not mμ)
Absorbance	*A*	dimensionless
Transmittance	*T*	dimensionless
Molar absorption coefficient	ε	$M^{-1} \cdot cm^{-1}$
Ionic strength	*I*	M ($mol \cdot l^{-1}$), mM
Energy	*E*	J (not cal)
Gibbs free energy	*G*	J (not cal)
Equilibrium constant	*K*	dimensionless
Michaelis constant	*Km*	M, mM
Inhibition constant	*Ki*	M, mM
Rate constant	*k*	s^{-1}, $M \cdot s^{-1}$
Rate of reaction	*v*	$mol \cdot s^{-1}$, $mmol \cdot s^{-1}$
Other units		
Curie		Ci
Roentgen		R

(*cont'd*)

(*cont'd*)

Acceleration of gravity	g
Prefixes for units：E, exa (10^{18})；P, peta (10^{15})：T, tera (10^{12})；G, giga (10^{9})；M, mega (10^{6})；k, kilo (10^{3})；h, hecto (10^{2})；da, deca (10^{1})；d, deci (10^{-1})；c, centi (10^{-2})；m, milli (10^{-3})；μ, micro (10^{-6})；n, nano (10^{-9})；p, pico (10^{-12})；f, femto (10^{-15})；a, atto (10^{-18}).	

TABLE 2. Abbreviations for words other than units, quantities, or chemical compounds.

BOD	biological oxygen demand
b.p.	boiling point
calc.	calculated
cf.	compare
COD	chemical oxygen demand
conc.	concentrated
concn	concentration
cpm	counts per minute
dil.	dilute
dpm	disintegration per minute
e.g.	for example
et al.	et alia (and others)
Expt. (pl. Expts.)	Experiment(s)
Fig. (pl. Figs.)	Figure(s)
i.e.	that is
max.	maximum
min.	minimum
m-, p-, o-	meta-, para-, ortho-
m.p.	melting point
n-	normal
no.	number
%	percent
p. (pl. pp.)	page(s)
ppb	parts per billion
ppm	parts per million
ppt.	precipitate
ref. (pl. refs.)	reference(s)
R_f	distance traveled by zone, divided by distance traveled by solvent front
rpm	revolutions per minute
S.D.	standard deviation
S.E.	standard error
sec-	secondary
spec. act.	specific activity
temp.	temperature
tert- (*t-*)	tertiary
UV	ultraviolet
vol. (pl. vols.)	volume(s)
vs.	versus
v/v	volume : volume
vvm	volume per volume per minute
wt.	weight
w/v	weight : volume
w/w	weight : weight

TABLE 3. Abbreviations for chemical compounds (these abbreviations may be used without definition).

ADP	adenosine 5'-diphosphate
AMP	adenosine 5'-monophosphate
ATP	adenosine 5'-triphosphate
ATPase	adenosine triphosphatase
CoA	coenzyme A
DNA	deoxyribonucleic acid
cDNA	complementary DNA
DNase	deoxyribonuclease
EDTA	ethylenediaminetetraacetic acid
FAD	flavin adenine dinucleotide
FMN	flavin mononucleotide
NAD, NAD^+	nicotinamide adenine dinucleotide
NADH	reduced NAD
NADP, $NADP^+$	nicotinamide adenine dinucleotide phosphate
NADPH	reduced NADP
RNA	ribonucleic acid
mRNA	messenger RNA
rRNA	ribosomal RNA
tRNA	transfer RNA
RNase	ribonuclease
SDS	sodium dodecylsulfate
Tris	Tris (hydroxymethyl) aminomethane