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ABBREVIATIONS

BOX	bilirubin oxidase
BSA	bovine serum albumin
CaCl ₂	calcium chloride
cm	centimeter
CO	carbon monoxide
CV	coefficient of variation
DBIL	direct bilirubin
DEAE	diethylaminoethyl
dL	deciliter
g	gram
Hb	hemoglobin
hr	hour
kDa	kilodalton
L	liter
mg	milligram
min	minute
mL	milliliter
MW	molecular weight
NaCl	sodium chloride
Na ₂ CO ₃	sodium carbonate
NADPH	nicotinamide adenine dinucleotide phosphate (reduced form)
NaHCO ₃	sodium bicarbonate
NaOH	sodium hydroxide
(NH ₄) ₂ SO ₄	ammonium sulfate
nm	nanometer
No	number
OCV	optimal condition variation
PDA	potato dextrose agar
PDB	potato dextrose broth
r	correlation coefficient
RCV	routine condition variation
rpm	revolution per minute
SD	standard deviation

XVIII

SDS	sodium dodecyl sulfate
TEMED	N, N, N', N'- tetramethylethylenediamine
TISTR	Thailand Institute of Scientific and Technological Research
UDP	uridine 5'- diphosphate
U/L	unit per liter
V	voltage
W/V	weight per volume
ZnSO ₄	zinc sulfate
α	alpha
β	beta
°C	degree celsius
δ	delta
<i>E</i>	extinction coefficient
γ	gamma
μL	microliter
μm	micrometer
μmol/L	micromole per liter
ε	molar absorptivity
%	percentage