

LIST OF SYMBOLS

%	Percentage
% DV	Percentage Daily Value
°C	Degree Celsius
µg	Microgram
µL	Microlitre
µM	Micromolar
ADC	4-amino-4-deoxychorismate
ANOVA	Analysis of Variance
ATP	Adenosine triphosphate
CCD	Central Composite Design
CFS	Cell free supernatant
cfu	colony forming units
CLSI	Clinical and Laboratory Standards Institute
cm	Centimeter
CoA	Coenzyme A
Conc.	Concentration
DFE	Dietary Folate Equivalent
DHF	Dihydrofolate
DHN	Dihydroneopterin
DMBI	5,6-dimethylebenzimidazole
DNA	Deoxy ribonucleic acid
DRI	Daily Recommended intake
DRI	Dietary Reference Intake
dUMP	Deoxyuridine monophosphate
ELISA	Enzyme Linked Immuno Sorbent Assay
FACM	Folate free culture medium
FAD	Flavin adenine dinucleotide
FMN	Flavin adenine mononucleotide

g	grams
GABA	Gamma Amino Butyric Acid
GDCA	Glycodeoxycholic acid
GTP	Guanosine triphosphate
h	Hours
HMDHP	6-hydroxymethyldihydropterin
HPLC	High performance liquid chromatography
HRB	Human Residential Bacteria
IUB	International Union of Biochemistry and Molecular Biology
IUPAC	International Union of Pure and Applied Chemistry (IUPAC)
LAB	Lactic Acid Bacteria
M	Molar
mg	milligram
min	Minutes
mL	Milliliter
mm	Millimeter
MRS	De man Rogosa Sharpe medium
MTCC	Microbial Type Culture Collection and Gene Bank
MTHF	5-methyltetrahydrofolate
NAD	Nicotinamide adenine dinucleotide
NADP	Nicotinamide adenine dinucleotide phosphate
NCDC	National Depository of authentic Dairy Microbial Cultures
NCIM	National Collection of Industrial Microorganisms
nm	Nanometer
OD	Optical density
OD ₆₀₀	Absorbance at 600 nm
OFAT	One factor at a time
PAB	Propionic Acid Bacteria
PABA	Para-amino benzoic acid
PBD	Plackett Burman Design
psig	Pounds per square inch gage

RDA	Recommended Dietary Allowance
rpm	Revolutions per minute
rRNA	Ribosomal RNA
RSM	Response surface methodology
SAM	S-adenosylmethionine
sp.	Species
SWP	Supplemented Whey Permeate
TA	Titration acidity
TCDA	Taurodeoxycholic acid
THF	Tetrahydrofolate
TMP	Thymidine monophosphate
UHT	Ultra Heat Treatment
UV	Ultra violet
v/v	volume/volume
w/v	Weight/volume
YPG	Yeast Peptone Glucose medium