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*Scientists may be able to make any molecule that they imagine on a computer, but
Mother Nature is an infinitely more ingenious and exciting chemist.....*

Edward Hammond

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List of Abbreviations

<i>Bam</i> HI	<i>Bacillus amyloliquefaciens</i> H (Source organism)
BSA	Bovine Serum Albumin
CMC	Carboxy Methyl Cellulose
CTAB	Cetyl Trimethyl Ammonium Bromide
CaCO ₃	Calcium carbonate
CHCl ₃	Chloroform
CuSO ₄	Copper sulphate
<i>D.radiodurans</i>	<i>Deinococcus radiodurans</i>
DDW	Double Distilled Water
DNA	Deoxyribo Nucleic Acid
DNS	Dinitrosalicyclic acid
ds-	Double stranded
<i>E.coli.</i>	<i>Escherichia coli</i>
<i>Eco</i> R1	<i>Escherichia coli</i> Ry13 (Source organism)
EtBr	Ethidium Bromide
<i>Hind</i> III	<i>Haemophilus influenzae</i> Rd (Source organism)
EDTA	Ethylene Diamine Tetra Acetic acid
H ₂ O ₂	Hydrogen peroxide
HgCl ₂	Mercuric chloride
KAc	Potassium acetate
KCl	Potassium chloride
kDa	KiloDalton
KP	Potassium phosphate
LB	Luria Broth
LBA	Luria Bertini Agar
MgSO ₄	Magnesium sulphate
μl	Microlitre
M	Molar

ml	Millilitre
NaCl	Sodium chloride
NaNO ₃	Sodium nitrate
NaAc	Sodium acetate
Na ₂ CO ₃	Sodium carbonate
NH ₄ Ac	Ammonium acetate
NH ₄ Cl	Ammonium chloride
nm	Nanometre
PCR	Polymerase Chain Reaction
PEG	Poly Ethylene Glycol
PVP	Poly Vinyl Chloride
rpm	Revolutions per minute
SDS	Sodium Dodecyl sulphate
TAE	Tris Acetate Buffer
TE	Tris EDTA Buffer
Tris	Tris(hydroxyl methyl) amino methane