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Akhil Varshney
Abbreviations

Commonly Used Abbreviations and Symbols

Å  Angstrom
a.a.  Amino Acid
AcMNPV  Autographa californica multiple nuclear polyhedrosis virus
APS  Ammonium per sulphate
Amp  Ampicillin
AP1  Activator protein 1
ATP  Adenosine 5’-triphosphate
attTn  Site that bacterial transposon Tn7 inserts at high frequency
Bisacrylamide  N, N-methylene bisacrylamide
bp  Base pair
BRIT  Board of radiation and isotope technology
BSA  Bovine serum albumin
BV  Baculovirus
BEVS  Baculovirus Expression System
CD  Circular dichroism
cDNA  Complimentary Deoxyribonucleic acid
Ci  Curie
CONC  Concentration
cpm  counts per minute
DEPC  Diethyl pyrocarbonate
DMEM  Dulbeco’s modified eagle’s medium
DMSO  Dimethylsufoxide
DNA  Deoxyribonucleic acid
dNTP  Deoxyribonucleoside triphosphate
dsDNA  Double stranded DNA
DOX  Doxycycline
DR  Defined region of aptamer library
DTT  Dithiothreiotol
E. coli  Escherichia coli
EDTA  Ethylene diamine tetra-acetic acid
EMSA  Electrophoretic gel mobility shift assay
EtOH  Ethanol
FACS  Flow activator cell counter
FBS  Fetal bovine serum
FCS  Fetal calf serum
FGF2  Fibroblast growth factor 2
FITC  Fluorescein isothiocynate
FSC  Forward sideward scatter
g  Gram
GAPDH  Glyceraldehyde 3-phosphate dehydrogenase
GFP  Green fluorescent protein
HA  Hemagglutinin
HEPES  4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
hrs  hours
hTERT  Human telomerase reverse transcriptase
hTR  Human telomerase RNA
IPTG  Isopropyl-1-thio-D-galactoside
IVT  In vitro transcription
Kb  kilobase
KCl  Potassium cholride
kDa  Kilo dalton
Kd  Dissociation constant
l  Litre
lacI  repressor of Lectose operon
LB  Luria broth
<table>
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<tr>
<th>Abbreviation</th>
<th>Definition</th>
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<tr>
<td>M</td>
<td>Molar</td>
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<tr>
<td>MALDI-TOF/MS</td>
<td>Matrix-assisted laser desorption/ionisation-time of flight/ mass spectrometry</td>
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<td>MBP</td>
<td>Maltose binding protein</td>
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<td>MCS</td>
<td>Multiple cloning site</td>
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<td>Milligram</td>
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<td>miRNA</td>
<td>Micro RNA</td>
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<td>Milimolar</td>
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<td>Mili liter</td>
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<td>mRNA</td>
<td>Messenger RNA</td>
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<td>MW</td>
<td>Molecular weight</td>
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<td>NCBI</td>
<td>National Center for Biotechnology Information</td>
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<td>NCCS</td>
<td>National centre for cell sciences, Pune</td>
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<td>ng</td>
<td>Nano gram</td>
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<td>Ribonucleo protein</td>
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<td>Rpm</td>
<td>Revolution per minute</td>
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<td>RT</td>
<td>Room temperature</td>
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<td>rTA</td>
<td>Tetracycline controlled transactivator protein</td>
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<tr>
<td>RT-PCR</td>
<td>Reverse transcription-Polymerase chain reaction</td>
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<tr>
<td>SDS</td>
<td>Sodium dodecyl sulphate</td>
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<td>Sec</td>
<td>Second</td>
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<tr>
<td>SELEX</td>
<td>Systematical Evolution of Ligands by Exponential Enrichment</td>
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<td>Sf</td>
<td>Spodoptera frugiperda</td>
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<tr>
<td>shRNA</td>
<td>Short-hairpin RNA</td>
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<tr>
<td>siRNA</td>
<td>Short interfering RNA</td>
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<td>SPR</td>
<td>Surface Plasmon Resonace</td>
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<td>STAT1</td>
<td>Signal Transducers and Activators of Transcription 1</td>
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<tr>
<td>TEMED</td>
<td>N, N', N'-tetramethyl-ethane-1, 2-diamine</td>
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<tr>
<td>TETOP</td>
<td>Tetracycline responsive operator</td>
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<tr>
<td>Tn</td>
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<td>[tris(hydroxymethyl) aminomethane]</td>
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<td>Vascular endothelial growth factor 165</td>
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<td>5-bromo-4-chloro-3-indolyl-β-D-galactoside</td>
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<td>Microgram</td>
</tr>
<tr>
<td>μl</td>
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