
List of Abbreviations

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| ACN | Acetonitrile |
| Alp | Alkaline protease |
| ANQ | 5-amino-8-hydroxy-1,4-naphthoquinone |
| ANQOH | 5-amino-2,8-dihydroxy-1,4-naphthoquinone |
| APS | Ammonium persulfate |
| ATP | Adenosine triphosphate |
| bp | Base pair |
| BSA | Bovine serum albumin |
| CBB | Commassie brilliant blue |
| BLAST | Basic Local Alignment search tool |
| CaCl ₂ | Calcium chloride |
| cDNA | Complementary DNA |
| CTAB | Cetyl trimethyl ammonium bromide |
| DAN | Diazoacetyl-norleucine methyl ester |
| DMEM | Dulbacco's modified eagle medium |
| DMSO | Dimethyl sulfoxide |
| DNA | Deoxyribonucleic acid |
| DNase | Deoxyribonuclease |
| dNTP | Deoxyribonucleotide triphosphate |
| DEPC | Diethyl pyrocarbonate |
| dH ₂ O | Deionized water |
| DON | Deoxynivalenol |
| D/W | Distilled water |
| EAF | Equine amniotic fluid |
| ECM | Extra cellular matrix |
| EDTA | Ethylenediaminetetraacetic acid |
| Ef | Elongation factor |
| ELISA | Enzyme linked immune sorbent assay |
| EPNP | 1,2-epoxy-3-(nitrophenoxy propane) |
| FBS | Fetal Bovine serum albumin |
| FDSC | <i>Fusarium dimerum</i> species complex |
| FIESC | <i>Fusarium incarnatum-equiseti</i> species complex |

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|---------------------------------|--|
| FFSC | <i>F. fujikuroi</i> species complex |
| FO | Fast orange |
| FOSC | <i>F. oxysporum</i> species complex |
| FLD | Fluorescence detector |
| FT-IR | Fourier transform infrared |
| FSSC | <i>Fusarium solani</i> species complex |
| GAPDH | Glyceraldehyde phosphate dehydrogenase |
| GC | Gas chromatography |
| GEM | Glucan enzymatic method |
| GOPOD | Glucoseoxidase/oxidase |
| GPI | Glycosylphosphatidylinositol |
| H ₂ O ₂ | Hydrogen peroxide |
| H ₂ SO ₄ | Sulfuric acid |
| HAF | Human amniotic fluid |
| HCl | Hydrochloric acid |
| H-E | Haemolysin-Eosin |
| HPLC | High performance liquid chromatography |
| ICAM | Intracellular adhesion molecule |
| IL | Interleukins |
| INF | Interferon |
| ITS | Internally transcribed spacer |
| KH ₂ PO ₄ | Potassium dihydrogen phosphate |
| KOH | Potassium hydroxide |
| LAL | Limulus ameocyte lysate |
| LD50 | Lethal dose 50 |
| MAP | Mitogen activated protein |
| MCT | Micro centrifuge tube |
| MMP | Matrix metalloproteases |
| MS | Mass spectroscopy |
| NA | Nutrient agar |
| NaCl | Sodium chloride |
| Na ₂ CO ₃ | Sodium carbonate |
| NaOH | Sodium hydroxide |
| NB | Nutrient broth |

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|--------|--|
| NMR | Nuclear magnetic resonance |
| PAS | Periodic acid-Schiff |
| PBS | Phosphate buffer saline |
| PCR | Polymerase chain reaction |
| PDA | Potato Dextrose agar |
| PDB | Potato Dextrose Broth |
| PMSF | phenylmethylsulfonyl fluoride |
| PepA | Pepstatin A |
| PVC | Polyvinyl chloride |
| qPCR | Quantitative real-time PCR |
| rDNA | Ribosomal DNA |
| RNA | Ribonucleic acid |
| RNase | ribonuclease |
| ROS | Reactive oxygen species |
| RP | Reverse phase |
| RPB | RNA polymerase |
| RPMI | Roswell park memorial institute |
| RT | Room temperature |
| RT-PCR | Reverse transcription PCR |
| SAP | Secretory alkaline protease |
| SDA | Sabouraud's Dextrose agar |
| SDB | Sabouraud's Dextrose Broth |
| SDS | Sodium dodecyl sulphate |
| Sed | Sedolisin |
| SEED | Sodium hypochloride extraction and enzymatic digestion |
| SHEM | Supplemented hormonal epithelial medium |
| SO | Slow orange |
| TAE | Tris-Acetic acid-EDTA |
| TC | Trichothecene |
| TCA | Trichloroacetic acid |
| TE | Tris-EDTA |
| TEB | Tris-EDTA-Boricacid |
| TEF | Translation elongation factor |
| TEMED | Tetramethylethylenediamine |

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|-----|----------------------------------|
| TNF | Tumor necrosis Factor |
| TLC | Thin layer chromatography |
| TLR | Toll like receptors |
| TMB | 3,3',5,5'-Tetramethybenzidine |
| UV | Ultra violet |
| YMB | Yeast extract malt extract broth |
| ZEA | Zearalenone |