Ala = Alanine

Arg = Arginine

Asn = Aspargine

Asp = Aspartic acid

CFU = Colony forming unit

CIP = ciprofloxacin

CLSI = Clinical and Laboratory Standards Institute

GAT = gatifloxacin,

GEM = gemifloxacin

Gln = Glutamine

Glu = Glutamic acid

Gly = Glycine

His = Histidine

ICU = Intensive care unit

Ile = Isoleucine

LB = Luria Bertani

Leu = Leucine

LOM = lomefloxacin

LVX = levofloxacin

Lys = Lysine

MDR = Multidrug resistant

Met = Methionine

MIC = Minimum inhibitory concentration

MRSA = Methicillin resistant *Staphylococcus aureus* 

NAL = nalidixic acid

NOR = norfloxacin

OFX = ofloxacin

PCR = Polymerase chain reaction

Phe = Phenylalanine

PMQR = Plasmid mediated quinolone resistance

Pro = Proline

QC = Quality control

QRDR = Quinolone resistance-determining region

Ser = Serine

SPX = sparfloxacin

Thr = Threonine

Trp = Trypytophan

TSI = Triple sugar iron

Tyr = Tyrosine

UTI = Urinary tract infection

Val = Valine

WHO = World health organisation