

## List of Abbreviations

µg	microgram
µl	microliter
B95a	marmoset B lymphoblastoid cell line
BSA	bovine serum albumin
BSC	biological safety cabinet
BSL	biological safety level
CDC	Centers for Disease Control and Prevention, Atlanta USA
cDNA	complementary DNA
CO <sub>2</sub>	carbon dioxide
CPE	cytopathic effect
CRI	congenital rubella infection
CRS	congenital rubella syndrome
DNA	deoxyribonucleic acid
DMEM	Dulbecco's Minimal Essential Medium
DMSO	dimethyl sulfoxide
EIA	enzyme immunoassay
ELISA	enzyme-linked immunosorbent assay
EPI	Expanded Programme on Immunization
EQA	external quality assessment
FBS	fetal bovine serum
FITC	fluorescein isothiocyanate
G	relative centrifugal force
g	gram
GAVI	Global Alliance for Vaccines and Immunization
GSL	Global Specialized Laboratory
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IgA	Immunoglobulin class A

IgG Immunoglobulin class G  
IgM Immunoglobulin class M  
IFA immunofluorescence assay  
IHC in-house control  
IQA internal quality assurance  
ISO international standards organization  
IVB Department of Immunization, Vaccines and Biologicals  
kPa kilopascals  
LQA laboratory quality assurance  
LSM Lymphocyte Separation Medium  
MCV measles-containing vaccine  
MEM minimal essential medium  
mg milligram  
ml milliliter  
MR measles rubella vaccine  
MMR measles mumps rubella vaccine  
NL National Laboratory  
nm nanometer  
NCR non-coding region  
NTC no-template controls  
OD optical density  
PEP post-exposure prophylaxis  
PBS phosphate buffered saline  
PBMC peripheral blood mononuclear cells  
PCR polymerase chain reaction  
PHE Public Health England  
pfu plaque forming units  
PT proficiency test  
QA quality assurance  
QC quality control

QMS quality management system  
RF rheumatoid factor  
RNA ribonucleic acid  
RNase ribonuclease  
Ro reproductive rate  
RPM revolutions per minute  
RRL Regional Reference Laboratory  
RT reverse transcriptase  
RT-PCR reverse transcription - polymerase chain reaction  
SIA supplemental immunization activity  
SLAM signalling lymphocyte-activation molecule; also known as CDw150  
SNL Sub-National Laboratory  
SOP standard operating procedure  
TMB 3,3',5,5'-tetramethylbenzidine  
Vero cells continuous cell line derived from African green monkey kidney  
Vero/hSLAM Vero cells transfected to express the human SLAM molecule  
VTM viral transport medium  
WHA World Health Assembly  
WHO World Health Organization