

# **The Immunological Basis for Immunization Series**

## **Module 11: Rubella**

**Immunization, Vaccines and Biologicals**



**World Health  
Organization**

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# Abbreviations and acronyms

ACV	acyclovir
BCG	bacille Calmette-Guérin (vaccine)
CMI	cell-mediated immunity
CRS	congenital rubella syndrome
CTL	cytotoxic T lymphocytes
DBS	dried blood spots
DEA	diethylamine
DNA	deoxyribonucleic acid
DR	D-related
EIA	enzyme immunoassay
EPI	Expanded Programme on Immunization
GIVS	Global Immunization Vision and Strategy
GMT	geometric mean titre
HA	haemagglutination
HI	haemagglutination-inhibition
HLA	human leukocyte antigen
IFN	interferon
IgA	immunoglobulin A
IgD	immunoglobulin D
IgG	immunoglobulin G
IgM	immunoglobulin M
IN	intranasal
iu/ml	international units per milliliter
LP	lymphoproliferative
MACRIA	M-antibody capture radioimmunoassay
MHC	major histocompatibility complex
MMR	measles-mumps-rubella
MMRV	measles-mumps-rubella-varicella
MR	measles-rubella

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NP	nasopharyngeal
NT	neutralization
PFU	plaque-forming units
PPD	purified protein derivative
PRP	progressive rubella panencephalitis
RNA	ribonucleic acid
RT-PCR	reverse transcription/polymerase chain reaction
RV	rubella virus
SC	subcutaneous
SI	stimulation index
SRH	single radial haemolysis
SSPE	subacute sclerosing panencephalitis
Th	T-helper
TOP	termination of pregnancy
UK	United Kingdom of Great Britain and Northern Ireland
USA	United States of America
WHO	World Health Organization

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