

# **The Immunological Basis for Immunization Series**

**Module 14:  
Cholera**

**Immunization, Vaccines and Biologicals**



**World Health  
Organization**

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This module was produced for Immunization, Vaccines and Biologicals, WHO, by:

Dr. Rupak K. Bhadra, Ph.D., Assistant Director, Infectious Diseases and Immunology Division,  
Indian Institute of Chemical Biology (CSIR), 4 Raja S. C. Mullick Road, Kolkata 700 032, India;  
Tel: +91-33-2499-5840; Fax: +91-33-2473-5197;  
E-mail: rupakbhadra@iicb.res.in; rupakbhadra@yahoo.com

Dr. Santasabuj Das, MD, Scientist C, Clinical Medicine Division, National Institute of Cholera and  
Enteric Diseases (ICMR), P-33, CIT Scheme XM, Beliaghata Kolkata - 700 010, India;  
Tel: +91-33-2353-7470 Extn. 3202; E-mail: santasabujdas@yahoo.com

Dr. G. Balakrish Nair, Ph.D., Director, National Institute of Cholera and Enteric Diseases (ICMR),  
P-33, CIT Scheme XM, Beliaghata Kolkata - 700 010, India  
Tel: +91-33-23633373; Fax: +91-33-23705066; E-mail: gbnair\_2000@yahoo.com; nairgb@icmr.org.in

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**Copies of this publication as well as additional materials  
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World Health Organization  
Department of Immunization, Vaccines and Biologicals  
CH-1211 Geneva 27, Switzerland  
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# Abbreviations and acronyms

ADCC	antibody-directed cell-mediated cytotoxicity
ASC	antibody secreting cell
CFU	colony-forming unit
CMRI	cell-mediated immune response
CT	cholera toxin
CTA	cholera toxin A subunit
CTB	cholera toxin B subunit
ELISA	enzyme-linked immunosorbent assay
ELISPOT	enzyme-linked immunospot
GALT	gut-associated lymphoid tissue
HIV	human immunodeficiency virus
IEC	intestinal epithelial cell
LPS	lipopolysaccharide
MSHA	mannose sensitive haemagglutinin
OCV	oral cholera vaccine
OMP	outer membrane protein
O-SP	oligosaccharide part of LPS
RITARD	removable intestinal tie adult rabbit diarrhoea
sIgA	secretory immunoglobulin A
TCP	toxin-coregulated pilus
TI-1	T-cell independent type 1 cells
TLR4	Toll-like receptor 4
WC	whole-cell
WC-CTB	whole-cell-cholera toxin B
WC-rCTB	whole-cell-recombinant cholera toxin B

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