

Chapter 71

VACCINES

First generation

Inactivated vaccine

Typhoid vaccine
Cholera vaccine
Rabies vaccine
Salk polio vaccine

Live attenuated vaccines

Typhoid oral vaccine
BCG vaccine
Oral polio vaccine
Measles vaccine
Epidemic typhus vaccine

Second generation

Toxoids

Diphtheria toxoid
Tetanus toxoid

Cellular fractions

Meningococcal vaccine
Pneumococcal vaccine
Haemophilus influenzae
type b (Hib) vaccine
Hepatitis B vaccine

Third generation

Nucleic acid vaccines
(Under development)

AGENTS CONFERRING PASSIVE IMMUNITY

Sera and Igs

Immune animal serum
(antiserum)
Against the toxins of
C. diphtheriae
C. tetani
C. welchii
Anti-snake venom
Anti-scorpion venom

Immune human sera
Human hyperimmune anti-Ebola virus serum

Immunoglobulin (human) IVIG

Immunostimulants

Levamisole
Thalidomide
Lenalidomide
Interferons
Human recombinant interleukin-2 (Aldesleukin)
BCG

Monoclonal antibodies

Ipilimumab