

APPLIED & DIAGNOSTIC IMMUNOLOGY

IMMUNIZATION

ACTIVE IMMUNIZATION (VACCINATION)
GENERAL CONCEPTS

TYPES

KILLED ORGANISM VACCINE

ATTENUATED ORGANISM VACCINE

COMPONENT/SUBUNIT VACCINE

PASSIVE IMMUNIZATION

IMMUNOHEMATOLOGY (TRANSFUSION IMMUNOLOGY)

BLOOD TYPES

ABO

ANTIGENS

ANTIBODIES

Rh

ANTIGENS

ANTIBODIES

MINOR BLOOD GROUPS

TRANSFUSION REACTION MECHANISMS

TABLE 19.2 The ABO Blood Group System

Blood Group	Antigens on Red Blood Cell	Antibodies	Plasma	Blood Type Can Be Received	White	Black	Asian
AB	A and B	None	Neither anti-A nor anti-B antibodies	A, B, AB, O	3	4	5
B	B	Anti-A		B, O	9	20	27
A	A	Anti-B		A, O	41	27	28
O	None	Anti-A and Anti-B		O	47	49	40

Copyright © 2004 Pearson Education, Inc., publishing as Benjamin Cummings.

TRANSPLANTATION

CLINICAL TRANSPLANTATION

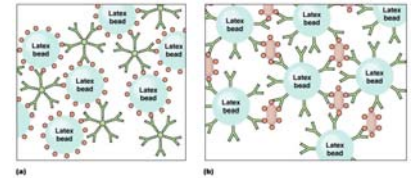
TRANSPLANT REJECTION MECHANISMS

TUMOR IMMUNOLOGY

DIAGNOSTIC TESTING

GENERAL CONCEPTS

PASSIVE (INDIRECT) AGGLUTINATION

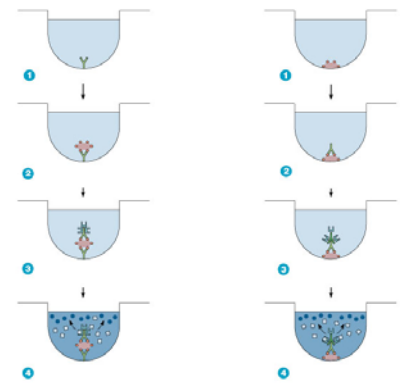


Copyright © 2004 Pearson Education, Inc., publishing as Benjamin Cummings.

IMMUNOPRECIPITATION (IMMUNODIFFUSION)

IMMUNOFLUORESCENCE

ELISA (EIA)



(a) (b)
Copyright © 2004 Pearson Education, Inc., publishing as Benjamin Cummings.