

Chp 5 Solutions, Colloids, + Membranes

5.1 Mixtures + Solutions

(2) (4) (4) (4)
40, 42, 43, 44

mixture - hetero
 - homo (solution)

14

Solution - solute
 - solvent

immiscible

aqueous

saturated

molecules (nonelectrolytes)

Ions (electrolytes)

5.2 Solution Concentration

(2) (3) (3) (3) (3) (2)
45, 46, 48, 50, 51, 53

diluted

concentrated

(3) (3) (3) (3) (3) (3)
56, 57, 58, 59, 62, 63

concentration units

(3) (3) (3) (3) (6)
64, 65, 67, 71, 73

mass/volume

% mass/volume

Intravenous (IV)

molarity (M)

equivalents/liter

55 48 52

5.2 cont'd

Dosage calculation

- Oral suspension
- IV solutions

~~(1)~~
~~74~~

5.3 Colloids and Suspensions

colloid
aggregates
medium

(2) (2) (7) (6) (2) (3)
74, 75, 76, 77, 78, 79

77

Suspension
dispersion medium

5.4 Membranes, Osmosis, + Dialysis

semipermeable membranes
membrane
semipermeable

(3) (2) (2) (2) (3)
80, 81, 82, 83, 84

(6) (2) (2) (2) (3)
85, 86, 87, 88, 89

(2) (3)
90, 91

Osmosis - hypertonic, hypotonic, isotonic
- red blood cells

Dialysis

32

Chemistry in Medicine

(2) (2) (2) (2) (2) (2)
94, 95, 96, 97, 98, 99,

(2)
100

(4)
102

20