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COVER

Normal red blood cell and smaller hemoglobin-carrying artificial red cells (neohemocytes) set against an isolated capillary. In the capillary, a 25 percent suspension of neohemocytes has replaced the blood. The outer membrane of the neohemocytes, shown enlarged and cutaway, is a bilayer composed of a mixture of four lipids. See page 1165.

[Drawing of Robert Burnett, Chartmasters, Inc., San Francisco, California 94133]