

blood, blood with abnormal appearance and/or abnormal thymol turbidity or bilirubin determinations, etc. All of these bloods were cultured in thioglycollate broth, 3 ml of blood being planted in each instance. Only 4 positive cultures were encountered in these 516 units of whole blood noted above. Culture after 21 days of storage in the case of 36 units of whole blood were all negative. The same was true of 78 units of cell mass.

The four units of whole blood found to be positive were cultured after 3, 9, 10, and 22 days of usual blood bank refrigeration. The 22-day-old specimen was recultured on the 29th day and the repeat culture was negative after 14 days of incubation.

All of the single donor plasma produced and here described, is dispensed by blood group and Rh type. Since there are about 600 hemophiliacs in the New York area, about 700 to 1000 units of all eight varieties are continuously on hand in low temperature storage cabinets. Dry ice is stored by the Hemophilia Foundation on the premises of the Blood Transfusion Association so that the frozen plasma may be protected during shipment in insulated containers.

It is obvious that with the use of single donor type specific plasma (in contrast with pooled plasma), the probability of transmission of homologous serum jaundice is markedly reduced. It is, however, probably true that most hemophiliacs who have had large numbers of transfusions and plasma infusions may be immunized against this disease. This is probably the reason that but one questionable case of jaundice has been reported in this series over a period of more than six years.

Analysis of the Errors Occurred in 50,000 Determinations of the ABO Group

E. GANDINI AND P. ANGELONI

Rome, Italy

Abstract

The errors which occurred during blood type determination on 50,000 samples of blood at the Blood Transfusion National Center have been analysed.

The errors have been divided into false positive and false negative readings and their dynamics have been discussed.

A table is presented of the irregular iso-antibodies which have been found in this group of donors.