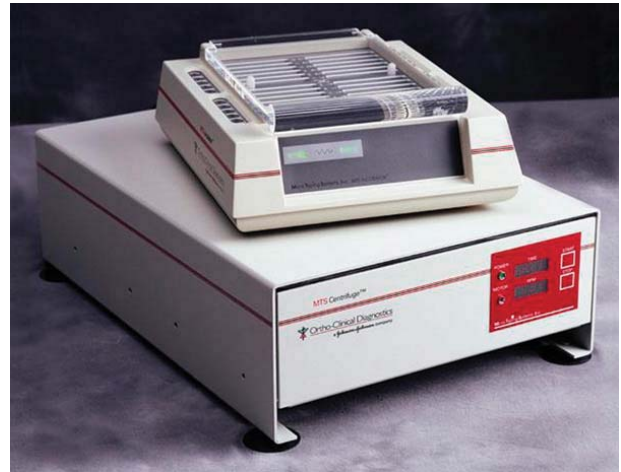


Equipment ID: Lab-09
MTS Gel System

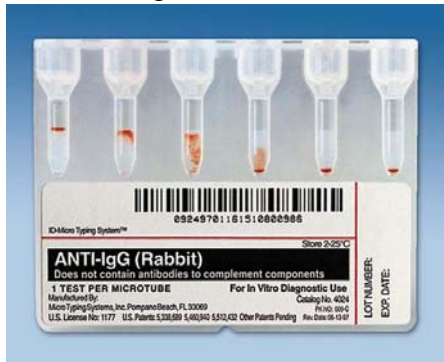
MTS GEL SYSTEM. AUTOMATED.

MTS515060 - Centrifuge (24 place).
MTS9640 - ID-MTS Tipmaster Pipettor
MTS9650 - MTS-1D working table
MTS9680 - MTS incubator
MTS9610 MTS Dispensor
Computer & barcode scan.
120/60/ 1.8 AMP (X2)
20H x15W x20D



ID-Micro Typing System™ Blood Banking
System

(Ortho Clinical Diagnostics) The ID-Micro Typing System™ blood banking system represents a breakthrough in blood bank serological testing by using cards consisting of microtubes prefilled



with gel particles, diluent and appropriate antisera. The sample material is added to the reaction chamber, and the cards are incubated and centrifuged. Agglutinated red cells are trapped above or within the gel particles and nonagglutinated cells travel freely to form a button at the bottom of the microtube. The system is used for blood grouping, antibody screening and identification and crossmatch testing.

Anti-human globulin Anti-IgG (rabbit) for the Anti-IgG card is prepared from pools of sera obtained from rabbits that

have been immunized with human IgG. The sera is absorbed to remove unwanted heterospecific antibodies and is suspended in a buffered gel solution.

The A/B/D and reverse card is used to perform patient and donor forward and reverse typing on a single card. The six consecutive microwells contain the following in this order: Anti-A, Anti-B, Anti-D, control, buffered gel, buffered gel.

The A/B/D card is used for performing donor retypes. Two forward types can be done on a single card. A secondary use for this card is performing the forward type on newborns since they do not require reverse typing. The six consecutive microwells contain the following in this order: Anti-A, Anti-B, Anti-D, Anti-A, Anti-B, Anti-D.

The Anti-D monoclonal card consists of six microtubes prefilled with Anti-D. It can detect most weak forms or variations of the D antigen and is designed for patient or donor typing of the most common Rh antigen transfusions.

The control card is used to check for false positives and spontaneous agglutination. Each of the six microwells contains a control diluent. A control must be run for all patient testing not performed on the A/B/D monoclonal reverse card.

The Anti-IgG, -C3d card consists of six microtubes prefilled with Anti-IgG/Anti-C3d antiserum. The Coombs serum will detect IgG and/or complement coating the red cells in vivo (DAT). This is used primarily for adults when the physician is looking for a cause of decreased red cell survival in the body. It can be used in conjunction with the Anti-IgG card to determine the kind of antibody that is coating the patient's cells (Anti-IgG or Anti-C3d).

A buffered gel suspension is filled into each microtube in the buffered gel card. The card can be used for ABO serum and plasma grouping and antibody testing for direct agglutinins and enzyme-treated red cells as well as direct agglutination; for example, cold and warm antibody detection.