

ID-MTS™ QUICK REFERENCE CARD

PREPARING PATIENT AND DONOR CELL SUSPENSIONS

4% ± 1% CELL SUSPENSION

(ABO Forward Grouping, Rh Phenotype)

1. Dispense 0.5 mL of MTS™ Diluent 2 Plus to the test tube.
2. Pipette 25µL of packaged cells or 50µL of whole blood onto a labeled test tube.

APPROXIMATE 0.8% CELL SUSPENSION

(Antiglobulin Crossmatch, DAT, Auto Control)

1. Dispense 1.0 mL of MTS™ Diluent 2 into a labeled test tube.
2. Pipette 10µL of packed patient/donor cells.

ID-MTS™ GEL TEST METHODS

Refer to your Standard Operating Procedure, the Instructions for Use for each ID-MTS™ Gel Card and the ID-Micro Typing Systems™ Implementation Guide and Procedures Manual for detailed procedures.

TYPE AND SCREEN

1. Pipette 50µL of 0.8% AFFIRMAGEN® to each microtube labeled "BUF" in the MTS™ A/B/D Monoclonal and Reverse Grouping Card.*
2. Pipette 50µL of 0.8% reagent red blood cells for antibody detection into the MTS™ Anti-IgG Card.
3. Pipette 25µL of patient serum/plasma into the microtubes of the MTS™ Anti-IgG Card.
4. Pipette 50µL of patient serum/plasma to each microtube labeled "BUF."
5. Incubate the MTS™ Anti-IgG Card at 37°C ± 2°C for 15 minutes.
6. Pipette 10-12.5µL of the 4% ± 1% patient/donor cell suspension into the A, B, D and Control microtubes.
7. Centrifuge the gel cards.
8. Read the gel cards for agglutination.

ABO/RH FORWARD AND REVERSE

1. Pipette 50µL of 0.8% AFFIRMAGEN® to each microtube labeled "BUF" in the MTS™ A/B/D Monoclonal and Reverse Grouping Card.
2. Pipette 50µL of test plasma/serum into each microtube labeled "BUF."
3. Pipette 10-12.5µL of the 4% ± 1% patient/donor cell suspension into A, B, D and Control microtubes.
4. Centrifuge the gel card.
5. Read the gel card for agglutination.

ABO/RH FORWARD GROUPING; RH PHENOTYPE

1. Pipette 10-12.5µL of the 4% ± 1% patient/donor cell suspension into each appropriate microtube.
2. Centrifuge the gel card.
3. Read the gel card for agglutination.

INDIRECT ANTIGLOBULIN TEST

(Antibody Detection, Antibody Identification, Antiglobulin Crossmatches)

1. Pipette 50µL of the appropriate 0.8% red blood cell suspension into each appropriate microtube of the MTS™ Anti-IgG Card.
2. Pipette 25µL of serum/plasma into each appropriate microtube.
3. Incubate at 37° ± 2° C for 15 minutes.
4. Centrifuge the gel card.
5. Read the gel card for agglutination.

DIRECT ANTIGLOBULIN TEST

1. Pipette 50µL of 0.8% patient cell suspension into the microtube of the MTS™ Anti-IgG, -C3d Card or MTS™ Anti-IgG Card.
2. Centrifuge the gel card.
3. Read the gel card for agglutination.

IMMEDIATE SPIN CROSSMATCH

1. Prepare 0.8% donor red blood cell suspension using MTSTM Diluent 2 Plus.
2. Pipette 50µL of 0.8% donor red blood cell suspension into a microtube of the MTS™ Buffered Gel Card.
3. Pipette 50µL of patient serum/plasma into microtube.
4. Centrifuge the gel card.
5. Read the gel card for agglutination.

CONVERSION OF 3% CELL SUSPENSION TO 0.8% CELL SUSPENSION*

1. Pipette 100µL of 3% Cell suspension into labeled tube.
2. Add a few drops of MTS Diluent 2.
3. Centrifuge 1 minute.
4. Remove supernatant.
5. Add 200µL of MTS Diluent 2.
6. Mix to re-suspend.