

Blood group serology consultation

Serafol typing

Éva Földi MD

Hungarian National Blood Transfusion Service

Department of Szeged

fodi.eva@ovsz.hu



Serafol ABO Serafol ABO+D



Serafol ABO+D card



- Bedside card
- Coated with dried specific monoclonal reagents (Anti-A, Anti-B, Anti-D)
- Fill the card with patient's data
- 1 drop isotonic saline solution + 1 drop blood (from EDTA sample) to each reaction field
- Mix each field for approx. 30 seconds until the reagent is completely dissolved
- Observe for reactions

<https://youtu.be/nDU-ulNm1T0>

A RhD negative

Serafol® ABO+D

0340119 2020-08

Anti-A Anti-B Anti-D

2412827
Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

2020.04.03
Datum / Date

Kons.-Nr. / Unit No.
No. Poche

A Rh neg
Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

Agglutination only with Anti-A =
there is A antigen on red cells

A RhD positive

Serafol® ABO+D

0340119 2020-08

Anti-A Anti-B Anti-D

2412830
Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

2020.04.03
Datum / Date

Kons.-Nr. / Unit No.
No. Poche

A Rh pos
Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

Agglutination with Anti-A and Anti-D reagents = A and D antigen are presented on red cells

B RhD negative

Serafol® ABO+D

2020-08
0340119

Anti-A Anti-B Anti-D

2412828
Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

Kons.-Nr. / Unit No.
No. Poche

Blut / Blood / Sang

2020.04.03
Datum / Date

B Rh neg
Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

Agglutination only with Anti-B=
there is B antigen on red cells

B RhD positive

Serafol® ABO+D

2020-08
0340119

Anti-A Anti-B Anti-D

2412835
Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

Kons.-Nr. / Unit No.
No. Poche

Blut / Blood / Sang

2020.04.03
Datum / Date

B Rh pos
Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

Agglutination with Anti-B and Anti-D
reagents = there are B and D
antigens on red blood cells

AB RhD negative

Serafol® ABO+D

Anti-A Anti-B Anti-D

2412789

Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

2020.04.03

Datum / Date

Kons.-Nr. / Unit No.
No. Poche

AB Rh neg

Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

0340119 2020-08

Agglutination with Anti-A and Anti-B reagents = A and B antigens are on the surface of red blood cells

AB RhD positive

Serafol® ABO+D

Anti-A Anti-B Anti-D

2412837

Name / Nom

ID

Geb.-Dat. / Date of Birth
Date de Naissance

2020.04.03

Datum / Date

Kons.-Nr. / Unit No.
No. Poche

AB Rh pos

Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

0340119 2020-08

Agglutination with Anti-A, Anti-B and Anti-D = there are A, B and D antigens on red blood cells

O RhD negative

Serafol® ABO+D

2020-08
0340119

Anti-A Anti-B Anti-D

2412881
Name / Nom ID

Geb.-Dat. / Date of Birth
Date de Naissance
Kons.-Nr. / Unit No.
No. Poche

Blut / Blood / Sang 2020.04.03 O Rh neg
Datum / Date Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

There is no agglutination = no A,
B or D antigen on cells

O RhD positive

Serafol® ABO+D

2020-08
0340119

Anti-A Anti-B Anti-D

2412829
Name / Nom ID

Geb.-Dat. / Date of Birth
Date de Naissance
Kons.-Nr. / Unit No.
No. Poche

Blut / Blood / Sang 2020.04.03 O Rh pos
Datum / Date Blutgruppe / Blood Group
Groupe Sanguin

Unterschrift / Signature

sifin BIO-RAD

Agglutination only with Anti-D =
D antigen are in red cells
membrane, but no A or B antigen