



**Diagnostics**

ODAK Blood Grouping  
Gel System |



## ABOUT US

ISLAB was established in 2007 and spent four years in research and development.

In 2011, R&D activities were concluded and newborn screening (Neonatal TSH, Neonatal Fluorescence PKU, Neonatal Fluorescence and Colorimetric Biotinidase) kits were the first products.

In 2012, Brucella Coombs Gel method was developed for the first time in the world and offered this product to the service of humanity.

In 2014, blood group gel agglutination test kits and manual blood grouping kits;

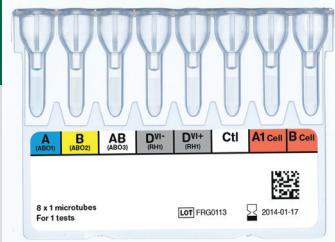
In 2016, the first local and national blood group gel card devices in Turkey (ODAK Gel Card Centrifuge, ODAK Gel Card Incubator and Odak Gel Card Reader);

In 2022, Turkey's first and only local blood group autoanalyzer products are added to ISLAB product family.

Our company with its experienced management staff, consultants, R&D and Production development staff has become one of the leading companies in the sector.

ISLAB, which aims to serve human life, continues its R&D and production activities in this way.

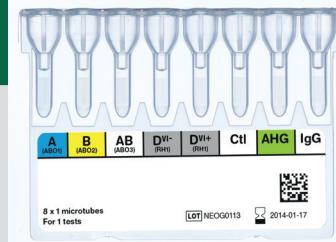
# ODAK Blood Grouping Gel Systems



## OBG Forward and Reverse Grouping

Ref. No: OBGFRG

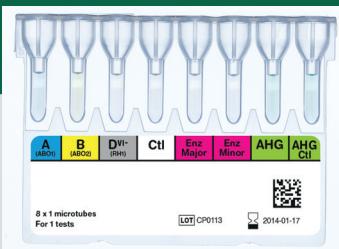
Provides the detection of ABO and variants of ABO as forward grouping with A, B, AB microtubes and reverse grouping with A1 cell and B cell microtubes all in one gel card. It allows the detection of Rh(D) and Weak D/Partial D antigens with D(vi-) and D(vi+) microtubes in Rh grouping.



## OBG Neonatal Grouping

Ref. No: OBGNEOG

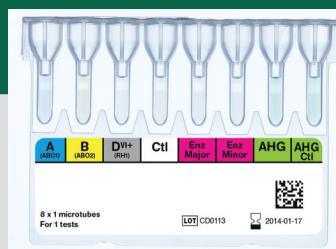
Designed for tests of Neonatal blood grouping and Direct Coombs, provides the detection of ABO and variants of ABO as forward grouping with A, B, AB microtubes and provides the detection of Rh(D) and Weak D/Partial D antigens as Rh grouping with D(vi-) and D(vi+) microtubes. It allows performing all tests on a single card with antibodies in Monospecific IgG and Polyspecific AHG microtubes for Direct Coombs tests.



## OBG Crossmatch Patient

Ref. No: OBGCP

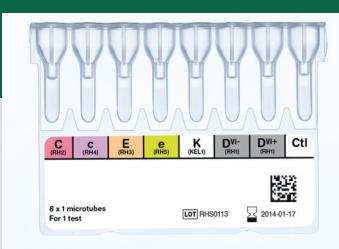
It allows performing ABO/Rh (Dvi-) blood group control of the patient, autoantibody tests of the patient with major and minor Cross Match (for whole blood) or major cross match (for erythrocyte suspensions) in environments with enzymes and coombs on a single card.



## OBG Crossmatch Donor

Ref. No: OBGCD

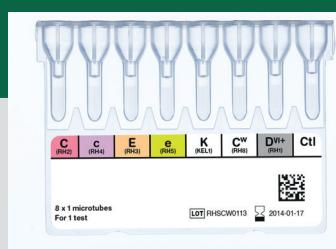
It allows performing ABO/Rh (Dvi+) blood group control of the donor, autoantibody tests of the patient with major and minor Cross Match (for whole blood) or major cross match (for erythrocyte suspensions) in environments with enzymes and coombs on a single card.



## OBG Rh Phenotype +K

Ref. No: OBGRHS

While it enables the detection of Dvi+/Dvi- antigen determinations separately, it allows the detection of E/e/ C/c and Kell antigens which are Rh structures.

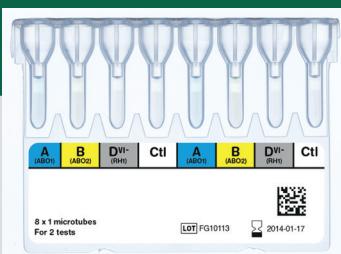


## OBG Rh Phenotype +K, Cw

Ref. No: OBGRHSCW

While it enables the detection of Dvi+ antigen determinations, it allows the detection of E/e/C/c and Kell antigens which are Rh structures.

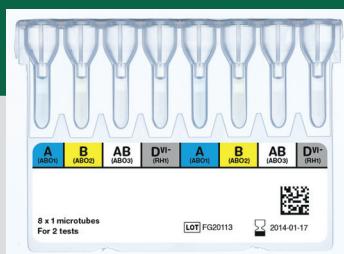
# ODAK Blood Grouping Gel Systems



## OBG Forward Group 1

Ref. No: OBGFG1

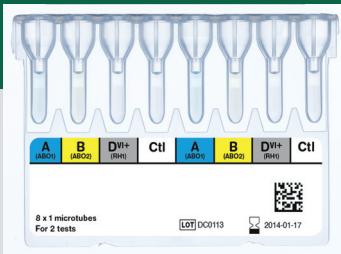
For the forward grouping test, A, B microtubes allow the detection of ABO and ABO variations, and the D(vi-) microtubes allow the detection of Rh(D) antigens in Rh grouping. Two tests are run on one card.



## OBG Forward Group 2

Ref. No: OBGFG2

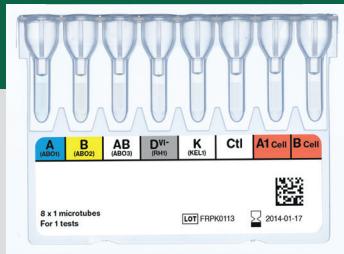
For the forward grouping test, A, B, AB microtubes allow the detection of ABO and ABO variations.



## OBG ABDVI Donor Confirmation

Ref. No: OBGDC

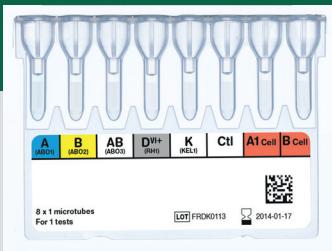
For the forward grouping test, A, B microtubes allow the detection of ABO and ABO variations, and the D(vi-) microtubes allow the detection of Rh(D) and Weak D/ Partial D antigens in Rh grouping. Two tests are run on one card.



## OBG Forward and Reverse Patient Kell

Ref. No: OBGFRPK

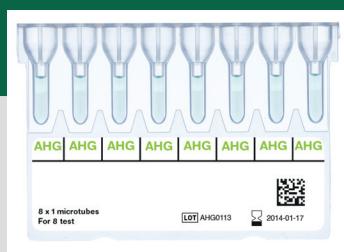
For the forward grouping test, A, B, AB microtubes allow the detection of ABO and ABO variations, and N/A1 and N/B microtubes help for the reverse grouping test on the same card. It can check the presence of Kell antigen as well as Rh(Dvi-) antigens in Rh grouping.



## OBG Forward and Reverse Donor Kell

Ref. No: OBGFRDK

For the forward grouping test, A, B, AB microtubes allow the detection of ABO and ABO variations, and N/A1 and N/B microtubes help for the reverse grouping test on the same card. It can check the presence of Kell antigen as well as Rh(Dvi+) antigens in Rh grouping.

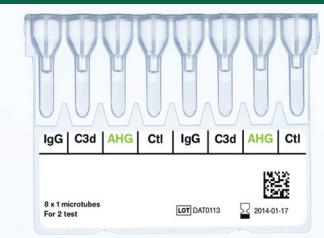


## OBG AHG Gel

Ref. No: OBGAGH

It contains Coombs reagent media that can be used in the typing tests of Direct Coombs, indirect Coombs, Antibody Screening, Antibody Identification, Cross Match, Auto Control, Weak D / Partial D and other system antigens.

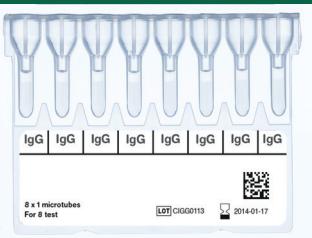
# ODAK Blood Grouping Gel Systems



## OBG DAT Screen

Ref. No: OBGDAT

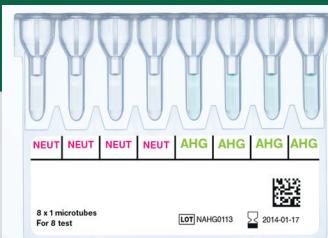
It provides environments with polyspecific AHG and monospecific IgG and C3d reagents for direct coombs tests.



## OBG Coombs Anti IgG

Ref. No: OBGCGG

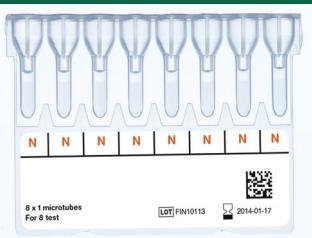
It contains Monospecific IgG reagent media that can be used in the typing tests of Direct Coombs, indirect Coombs, Antibody Screening, Antibody Identification, Cross Match, Auto Control, Weak D/Partial D and other system antigens.



## OBG Neutral/AHG Gel

Ref. No: OBGNAHG

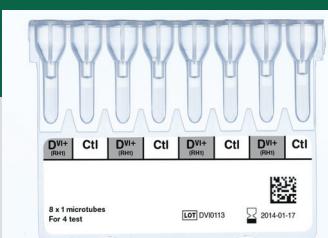
It allows detection of Antibody Screening, Antibody Identification, Cross Match, Auto Control or Allo antibodies by enzyme and Coombs methods.



## OBG Neutral Gel

Ref. No: OBGN

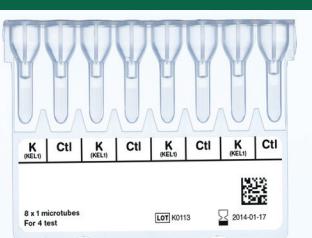
It contains Neutral microtubes that can be used for reverse grouping, antibody screening in enzymatic media, antibody identification, cold agglutinin test, isoagglutinin titer and typing of other systems antigens.



## OBG DVI+

Ref. No: OBGDVI

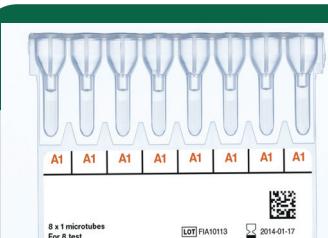
It allows the detection of Rh(D) and Weak D / Partial D antigens.



## OBG Kell

Ref. No: OBGK

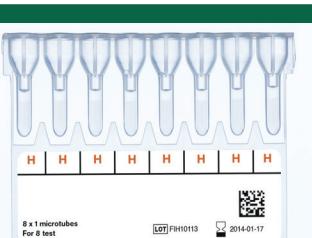
It allows the detection of the Kell antigen, which has the highest risk of creating antibodies after the Rh(D) antigen.



## OBG A1

Ref. No: OBGFIA1

It allows the detection of A1 antigen which belongs to A blood group antigens.



## OBG H

Ref. No: OBGFIH

It allows the detection of H antigen.

# ODAK Blood Grouping Gel Systems



## OBG Cell Reverse A1, B Red Blood Cell Kit

Ref. No: OBGA1B

It allows the detection of anti-A and/or anti-B isoagglutinins in serum/plasma with a red blood cell solution containing A1 and B antigens.



## OBG Cell Screen 1P-2P Red Blood Cell Kit

Ref. No: OBGRCAS2P

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested with papain-treated cells in neutral medium.



## OBG Cell Screen 3 Pap Red Blood Cell Kit

Ref. No: OBGRCAS3P-3

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested with papain-treated cells in neutral medium.



## OBG Cell Screen 1-2 Red Blood Cell Kit

Ref. No: OBGRCAS2

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested in anti-human globulin (AHG) media.



## OBG Cell Screen 3 Red Blood Cell Kit

Ref. No: OBGRCAS3-3

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested in anti-human globulin (AHG) media.



## OBG Cell ID 11 Red Blood Cell Kit

Ref. No: OBGRCAS11

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested in anti-human globulin (AHG) media.



## OBG Cell ID 11 Pap Red Blood Cell Kit

Ref. No: OBGRCAS11P

It is used to screen for antibodies that may be clinically important in the serum or plasma to be tested with papain-treated cells in neutral medium.

## ODAK Brucella Coombs Gel Test

Ref. No: BCG-400

It is based on the detection of agglutination-related reactions that occur as a result of binding of IgG and IgM antibodies developed against *B. abortus*, *B. melitensis*, *B. suis* in patient serum samples by gel centrifugation in Coombs medium.

# ODAK Blood Grouping Gel Systems

## Ref. No: OBGQC4RBC OBG Quality Control Cells

Internal controls should be carried out at regular intervals in accordance with local and national rules. The antigen reagents in this product are used in comprehensive internal quality control studies.

## Ref. No: OBGQC4S OBG Quality Control Serums

Internal controls should be carried out at regular intervals in accordance with local and national rules. The antibody reagents in this product are used in comprehensive internal quality control studies.

## Ref. No: FIRBCR2 OBG Cell Reverse A2,0 Red Blood Cell Kit for Quality Control

A2 and O red blood cell reagents with known presence of anti-A and/or anti-B isoagglutinin in serum/plasma are used.

## Ref. No: OBGAA OBG Anti-A - Blood Grouping Test Antibody

The reagent will cause direct agglutination (clustering) of test red cells carrying the corresponding A antigen.

## Ref. No: OBGAB OBG Anti-B - Blood Grouping Test Antibody

The reagent will cause direct agglutination (clustering) of test red cells carrying the corresponding B antigen.

## Ref. No: OBGAD OBG Anti-D - Blood Grouping Test Antibody

The reagent will cause direct agglutination (clumping) of test red cells carrying the D antigen and indirect agglutination of test red blood cells that are category DVI in the antiglobulin phase of the test. The absence of agglutination usually indicates the absence of the D antigen.

## Ref. No: OBGLISS-500 OBG LISS Diluent

It is used in the preparation of erythrocyte suspensions.

## Ref. No: OBGBS-10 OBG Bromelain Solution

It is used for screening and identification of unexpected antibodies, autoantibody and cross-matching tests by enzymatic method.

## Ref. No: OBGPS-10 OBG Papain Solution

It is used for screening and identification of unexpected antibodies, autoantibody and cross-matching tests by enzymatic method.

## Ref. No: OBGWD OBG Weak D Antibody for Antigen Detection

Used for Weak/Variant Rh determination tests in the environment with Coombs reagent.

### ODAK GEL CARD CENTRIFUGE



Ref. No: OBGJKS

- Capacity of 12 and 24 pieces.
- Optimized speed and time are set.
- Visual and audible warnings in case of unbalanced loading, power cut or the end of the process time.
- The remaining operation time and centrifuge speed can be displayed on the digital screen.

### ODAK GEL CARD INCUBATOR



Ref. No: OBGJKI

- Capacity of 24 cards.
- 2 separate blocks can work independently and can show the remaining operation time and temperature values on the digital screen.
- It is preset to the temperature of 37 °C and process duration of 15 minutes. If desired, the temperature and duration can be changed.
- Visual and audible warnings in case of a power cut and the end of process time.

### ODAK GEL CARD READER



Ref. No: OBGJKR

- The structure of the device allows fitting into the smallest spaces.
- It can detect automatically loaded tests and present the results without any interference.
- If the user requests, s/he can make changes to the test results.
- It has a CCD camera which evaluates the image analysis on the original image.
- All your data is safe thanks to bidirectional connection to LIS system. The images of the test cards can be sent to the LIS system if requested.

### Working Table, Dispenser and Easypipette Set

**Workstation;** It provides convenience for pipetting.

Ref. No: OBGWDP

**Dispenser;** fast and safe use, can be used with 100 ml and 500 ml bottles.

**Pipette;** It allows you to work quickly and safely with suitable shot intervals acc.to test procedure, and is suitable for both right and left-handed use.



**ODAK**

**Diagnostics**

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