

DG Gel® is a unique 8-column gel card based on column agglutination technology for blood group typing and investigation of unexpected antibodies.

DG Gel® system uses an 8-column format which means that more tests can be performed, and more information obtained from a single card. Processing is therefore easier and more cost-effective. DG Gel® cards adapt easily to different work routines offering a flexible, full-scale solution. The cards are designed for use with all Grifols systems: manual, semi-automated, and automated instruments. They are an 8-column format that provides:

- Maximum flexibility & adaptability
- Exclusive profiles
- Highly accurate information
- Complete determinations

DG Gel® ABO/Rh (2D)



Profile: A B AB D^{VI}- D^{VI}+ Ctl. N/A1 N/B

Intended Use: Determination of the antigens of the ABO and Rh (D) systems and determination of the reverse ABO group.

Number of tests/card: 1

Clones:

Anti-A: monoclonal anti-A (mixture of IgM antibodies of murine origin, clones 16243 G2 and 16247 E6)

Anti-B: monoclonal anti-B (IgM antibodies of murine origin, clone 9621 A8)

Anti-AB: monoclonal anti-AB (mixture of IgM antibodies of murine origin, clones 16245 F11 D8, 16247 E6 and 7821 D9)

Anti-DVI-: monoclonal anti-D (IgM antibodies of human origin, clone P3x61)

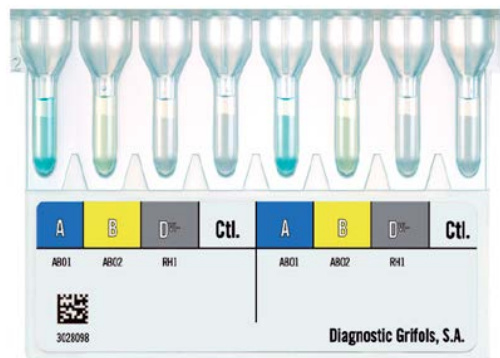
Anti-DVI+: monoclonal anti-D (mixture of IgG and IgM antibodies of human origin, clones P3x290, P3x35, P3x61 and P3x21223 B10) (This anti-D monoclonal reagent detects weak D and partial variants of the D antigen, including the DVI variant)

Ctl.: buffered solution without antibodies (control microtube)

N: buffered solution without antibodies (reverse group test)

Presentation: 2x25 cards Ref. GR210338

DG Gel® Confirm P



Profile: (A - B - D^{VI}- - Ctl.) x 2

Intended Use: Confirmation of the blood groups of the ABO and Rh (D) systems.

Number of tests/card: 2

Clones:

Anti-A: monoclonal anti-A (IgM antibodies of murine origin, clone Birma-1)

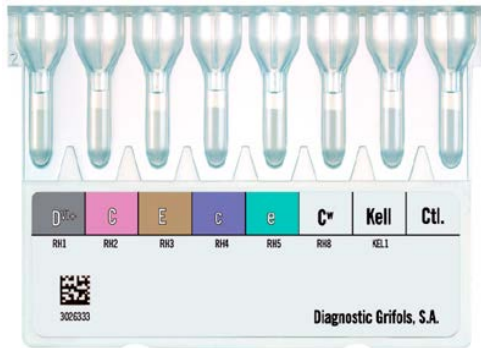
Anti-B: monoclonal anti-B (IgM antibodies of murine origin, clone LB-2)

Anti-DVI-: monoclonal anti-D (IgM antibodies of human origin, clone MS-201)

Ctl.: buffered solution without antibodies (control microtube)

Presentation: 2x25 cards - Ref. GR210351

DG Gel® Rh Pheno+ Kell



Profile: D^{VI+} C E c e C^w Kell Ctl.

Intended Use: Determination of the antigens of the Rh and Kell systems.

Number of tests/card: 1

Clones:

Anti-DVI+: monoclonal anti-D (mixture of IgM antibodies of human origin, clones RUM-1 and ESD-1M) (This anti-D monoclonal reagent detects weak D and partial variants of the D antigen, including the DVI variant)

Anti-C: monoclonal anti-C (IgM antibodies of human origin, clone MS-24)

Anti-E: monoclonal anti-E (IgM antibodies of human origin, clone DEM-1)

Anti-c: monoclonal anti-c (IgM antibodies of human origin, clone H-48)

Anti-e: monoclonal anti-e (mixture of IgM antibodies of human origin, clones MS-21, MS-63 and MS-16)

Anti-Cw: monoclonal anti-Cw (IgM antibodies of human origin, clone MS-110)

Anti-Kell: monoclonal anti-Kell (IgM antibodies of human origin, clone MS-56)

Ctl.: buffered solution without antibodies (control microtube)

Presentation: 2x25 cards - Ref. GR210350

DG Gel® Coombs



Profile: (AHG) x 8

Intended Use: Indirect Coombs and Direct Coombs tests. The Indirect Coombs tests include screening and identification of unexpected antibodies, crossmatch tests, autocontrol, and red blood cell typing.

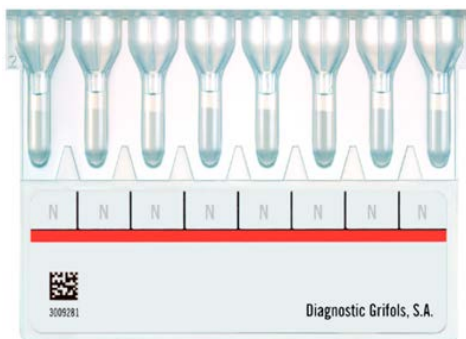
Number of tests/card: depending on the test

Clones:

AHG: Coombs, buffered low ionic strength solution (LISS) with polyspecific anti-human globulin. Mixture of rabbit polyclonal anti-IgG and monoclonal anti-C3d antibodies (IgM antibodies of murine origin, clone 12011 D10)

Presentation: 2x25 cards - Ref. GR210342

DG Gel® Neutral



Profile: (N) x 8

Intended Use: Physical medium for saline and enzymatic tests. The saline and enzymatic technique tests include: screening and identification of unexpected antibodies, crossmatch tests, autocontrol, red blood cell typing, and determination of the reverse ABO group.

Number of tests/card: depending on the test

Clones:

N: buffered solution without antibodies (neutral microtubes)

Presentation: 2x25 cards - Ref. GR210343-14

DG Gel® Anti-IgG



Profile: (IgG) x 8

Intended Use: Intended Use: Indirect Coombs and Direct Coombs tests. The Indirect Coombs tests include: screening and identification of unexpected antibodies, crossmatch tests, and autocontrol.

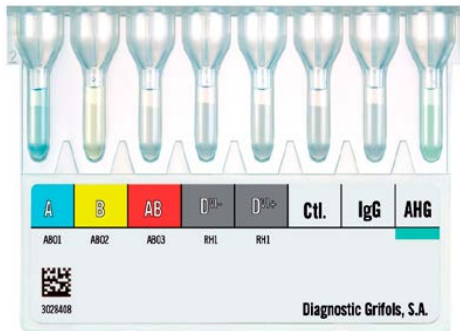
Number of tests/card: depending on the test

Clones:

Anti-IgG: rabbit polyclonal anti-IgG in buffered low ionic strength solution (LISS)

Presentation: 2x25 cards - Ref. GR210344

DG Gel® Newborn



Profile: A B AB D^{DVI-} D^{DVI+} Ctl. IgG AHG

Intended Use: Determination of the antigens of the ABO and Rh (D) systems and Direct Coombs test in newborns.

Number of tests/card: 1

Clones:

Anti-A: monoclonal anti-A (IgM antibodies of murine origin, clone DAM-1)

Anti-B: monoclonal anti-B (IgM antibodies of murine origin, clone 9621 A8)

Anti-AB: monoclonal anti-AB (mixture of IgM antibodies of murine origin, clones LA-2, LB-2 and ES-15)

Anti-DVI-: monoclonal anti-D (IgM antibodies of human origin, clone P3x61)

Anti-DVI+: monoclonal anti-D (mixture of IgM antibodies of human origin, clones RUM-1 and ESD-1M) (This anti-D monoclonal reagent detects weak D and partial variants of the D antigen, including the DVI variant)

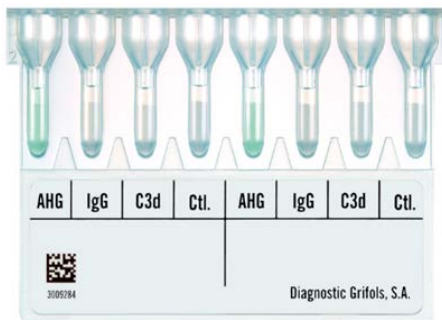
Ctl.: buffered solution without antibodies (control microtube)

Anti-IgG: rabbit polyclonal anti-IgG in buffered low ionic strength solution (LISS)

AHG: Coombs, buffered low ionic strength solution (LISS) with polyspecific anti-human globulin. Mixture of rabbit polyclonal anti-IgG and monoclonal anti-C3d antibodies (IgM antibodies of murine origin, clone 12011 D10)

Presentation: 2x25 cards - Ref. GR210353

DG Gel® DC Scan



Profile: (AHG IgG C3d Ctl.) x 2

Intended Use: Evaluation of positive Direct Coombs samples. It allows differentiating red blood cells sensitized in vivo by IgG type immunoglobulin or the complement C3d fraction.

Number of tests/card: 2

Clones:

AHG: Coombs, buffered low ionic strength solution (LISS) with polyspecific anti-human globulin. Mixture of rabbit polyclonal anti-IgG and monoclonal anti-C3d antibodies (IgM antibodies of murine origin, clone 12011 D10)

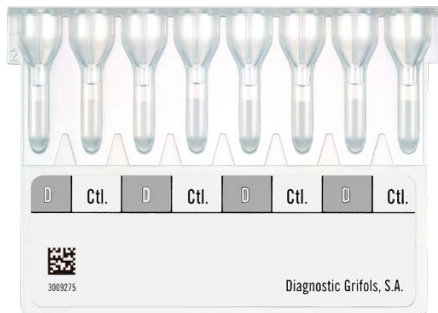
Anti-IgG: rabbit polyclonal anti-IgG in buffered low ionic strength solution (LISS)

Anti-C3d: monoclonal anti-C3d (IgM antibodies of murine origin, clone 12011 D10)

Ctl.: buffered solution without antibodies (control microtube)

Presentation: 1x25 cards - Ref. GR210345

DG Gel® Anti-D



Profile: D/Ctl/D/Ctl/D/Ctl/D/Ctl

Intended Use: The DG Gel Anti-D card is for the determination of the Rh (D) system.

Number of Tests/card: 4

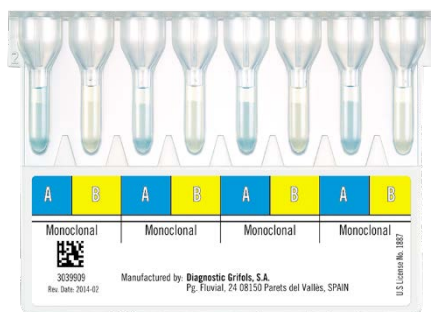
Clones:

Anti-DVI+: Monoclonal anti-D (mixture of IgG and IgM antibodies of human origin, clones P3x290, P3x35, P3x61, and P3x21223 B10). This anti-D monoclonal reagent detects weak D and partial variants of the D antigen, including the DVI variant

Ctl.: Buffered solution without antibodies (control microtube)

Presentation: 1 x 25 cards - Ref. GR210341

DG Gel 8 AB (x4)



Profile: A/B/A/B/A/B/A/B

Intended Use: The DG Gel 8 AB card is for the confirmation of the blood groups of the ABO system.

Number of Tests/card: 4

Clones:

Anti-A: Monoclonal anti-A (monoclonal IgM antibody of murine origin, clone DAM-1)

Anti-B: Monoclonal anti-B (monoclonal IgM antibody of murine origin, clone 9621 A8)

Presentation: 2 x 25 cards – Ref. GR210386