

DGgel

Newborn

Reduce error and delay in diagnosis
with all-in-one detection

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Increase detection:

- Detect antibodies for diagnosis of hemolytic disease of the newborn by performing DAT testing with AHG and anti-IgG reagent¹

Improve workflow efficiency:

- Only one card needed for complete analysis of ABO/RhD blood grouping and DAT

Reduce risk of error:

- Streamline operation with automated testing on Grifols IH system

Reduce sampling from newborn:

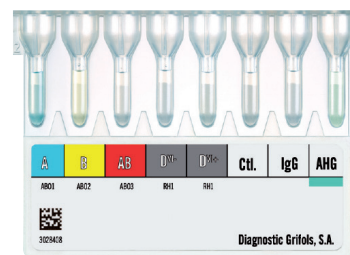
- Only one low-volume sample required for multiple results

Reduce costs and save time:

- No washing step, no control reagent, and no specialized expertise required in DAT analysis

TYPING

DGgel Newborn



SPECIFICATIONS:

Technology	Columns agglutination technology using a gel matrix
Configuration:	A/B/AB/D ^{VI-} /D ^{VI+} /Ctl/IgG/AHG
Clone:	• 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 LA-2, LB-2 and ES-15) • Anti-D^{VI-}: Monoclonal anti-D (IgM antibodies of human origin, clone P3x61) • Anti-D^{VI+}: Monoclonal anti-D (mixture of IgM antibodies of human origin, clones RUM-1 and ESD-1M) • 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 12011D10)
Compatible Platform:	Erytra, Erytra Eflexis, Wadiana, DG Reader Net, Manual System (DG Therm and DG Spin)
Presentation:	2 x 25 cards per box
Number of Test:	1 sample/card
Storage Condition:	2-25 °C
Shelf Life:	12.5 months (refer to actual product for details)
Reference number:	210353-21

PERFORMANCE CHARACTERISTICS:

Diagnostic sensitivity and specificity²: ABO/Rh System

Antibody	Sensitivity	Specificity
Anti-A	100%	100%
Anti-B	100%	100%
Anti-AB	100%	100%
Anti-D ^{VI-}	99.6%	100%
Anti-D ^{VI+}	99.6%	100%

REFERENCES:

¹ White J, Qureshi H, Massey E, et al. Guideline for blood grouping and red cell antibody testing in pregnancy. Transfusion Medicine 2016; 26: 246-263.

² IFU for DG Gel Newborn card.