



GEL CARDS



Fortress
Diagnostics

Gel Cards

Gel cards, also known as gel columns or gel centrifugation cards, are used primarily in immunohematology for blood typing and cross-matching in transfusion medicine. This technology provides a method for detecting and identifying blood group antigens and antibodies.

Gel cards contain microtubes filled with a gel matrix that acts as a sieve. The principle behind their operation involves the separation of red blood cells (RBCs) and agglutinates (clumps) based on size during centrifugation. The gel matrix can be infused with specific reagents, such as antibodies, to facilitate the detection of antigens or antibodies in the blood sample. Fortress' high-quality blood gel cards are accurate, easy to use, competitively priced, and conveniently offered in different sizes in order to meet the needs of our distributors, blood banks, clinics, hospital laboratories and transfusion centres across the world.

Key Features & Benefits



Reduced working time: The gel card method vastly reduces preparation time due to multi testing and no requirement for washing steps.



Accurate results: Fortress Diagnostics gel cards are proven to provide accurate results in minimal time.



Cost effective: Fortress Diagnostics supply gel cards at a competitive price promoting this method as an innovative solution in preference to conventional methods.



Complete solutions: One test provides comprehensive results for blood grouping compared to multiple tests in conventional tube methods.



Ordering Information

Forward Group 1



Identifies ABO and Rh D groups by using gel method. One card involves 2 tests. Includes control well.

Description	Cat No.	Storage
50 Forward 1 Gel Cards	BGGCFG01-50	2 - 8 °C

Rh Phenotype +K



Provides identifying of Rh and K antibodies which have clinic importance by gel method.

Description	Cat No.	Storage
50 Rh Phenotype +K Gel Cards	BGGCFG01-50	2 - 8 °C

Forward Group 2

A	B	AB	D	A	B	AB	D
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Identifies ABO and Rh D groups by using gel method. One card involves 2 tests. Does not include control well, instead includes AB.

Description	Cat No.	Storage
50 Forward Group 2 Gel Cards	BGGCFG02-50	2 - 8 °C

Forward Group 3

A	A1	B	AB	DVI-	DVI+	CDE	Ctl
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Provides the detection of subgroups of A and variants of D on the same gel card.
Identifies DVI- weak reactive and partial variants of D but not the VI variant of D directly.
Identifies DVI+ reactive, variant of DVI includes D variants and weak D's. Identifies the erythrocytes of antibody Rh DVI directly.

Description	Cat No.	Storage
50 Forward & Reverse Group Gel Cards	BGGCGRG1-50	2 - 8 °C

Forward and Reverse Grouping

A	B	AB	DVI-	DVI+	Ctl	A1 _{cell}	B _{cell}
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Provides the detection of ABO, Rh D, Rh D VI ve reverse grouping on one gel card.
Identifies DVI- weak reactive and partial variants of D but not the VI variant of D directly.
Identifies DVI+ reactive, variant of DVI includes D variants and weak D's. Identifies the erythrocytes of antibody Rh DVI directly.
At the last two wells A1 and B cells are used for reverse apply.

Description	Cat No.	Storage
50 Forward Group 3 Gel Cards	BGGCFG03-50	2 - 8 °C

Comp Test

A	B	D	Ctl	Enz Major	Enz Minor	AHG	AHG Ctl
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The gel card for forward grouping and Cross-match
Provides detection of ABO, Rh mismatch, the existence of antibodies that are against donators erythrocytes in patients serum or the patients erythrocytes in donators serum.

Description	Cat No.	Storage
50 Comp Test Gel Cards	BGGCFCT1-50	2 - 8 °C

Neonatal Grouping

A	B	AB	DVI-	DVI+	Ctl	AHG	IgE
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Provides applying of ABO, RH D, Rh D VI and direct Coombs test on newborns on one gel card.
AHG well involves Polyclonal anti-IgG and monoclonal C3 antibodies, IgG well involves monospecific Anti-IgG antibodies.

Description	Cat No.	Storage
50 Neonatal Grouping Gel Cards	BGGCNEOG-50	2 - 8 °C

A subgroup

A1	A1	A1	A1	A1	A1	A1	A1
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This test provides identifying of A1 antibody inside erythrocytes by using gel method.

Description	Cat No.	Storage
50 A Subgroup Gel Cards	BGGCASUB-50	2 - 8 °C

Neutral Gel

NEUT	NEUT	NEUT	NEUT	NEUT	NEUT	NEUT	NEUT
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Provides applying of reverse grouping, antibody screening and determining, compatibility tests.

Description	Cat No.	Storage
50 Neutral Gel Cards	BGGCNGEL-50	2 - 8 °C

AHG Gel

AHG	AHG	AHG	AHG	AHG	AHG	AHG	AHG
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Provides applying of Coombs test (DAT) directly, Coombs test (IAT), compatibility, antibody screening and determining tests indirectly. All wells include Polyspecific anti-human globulin.

Description	Cat No.	Storage
50 AHG Gel Cards	BGGCAHGG-50	2 - 8 °C

DAT Screen

IgG	C3d	AHG	Ctl	IgG	C3d	AHG	Ctl
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Provides determining the erythrocytes that get sensitive as in-vivo with IgG or complement C3d.
Involves IgG well monospecific Anti-IgG, C3d well Anti human C3, AHG well Polyspecific anti-human globulin.

Description	Cat No.	Storage
50 DAT Screen Gel Cards	BGGCDATS-50	2 - 8 °C

Neutral/AHG Gel

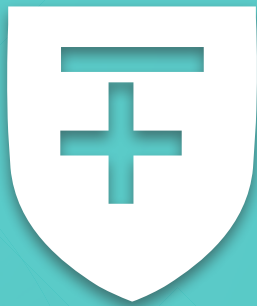
NEUT	NEUT	NEUT	NEUT	AHG	AHG	AHG	AHG
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Provides applying of Indirect Coombs test (IAT), compatibility, antibody screening and determining tests indirectly.

Description	Cat No.	Storage
50 Neutral/AHG Gel Cards	BGGCNAHG-50	2 - 8 °C

Other Items

Description	Size	Cat No.
Bromelain Solution	10ml	BGGCBS10
Bromelain Solution	50ml	BGGCBS50
LISS Diluent	100ml	BGGCL100
LISS Diluent	500ml	BGGCL500
Papain Solution	10ml	BGGCPAPS
Cell Reverse A1, B	-	BGGCRBC2
Cell Reverse A1, A2, B, O	-	BGGCRBC4
Cell Screen 1-2	-	BGGCSC12
Cell Screen 1-2 Pap	-	BGGCSC2P
Cell Screen 1-2-3	-	BGGCSC23



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