

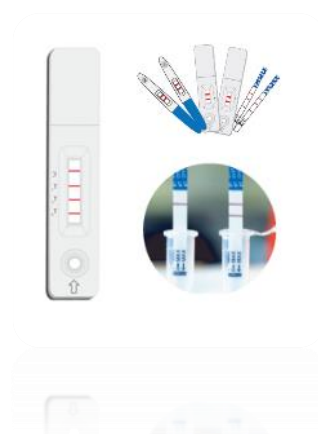
## ***BIOCALIS IVD***

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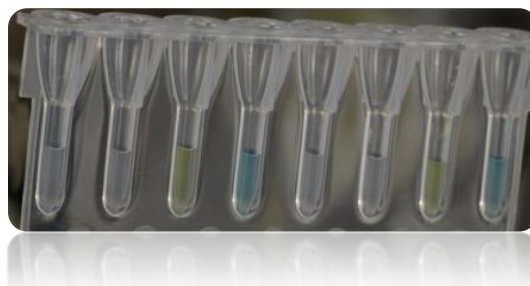
### **MOLECULAR DIAGNOSTICS (PCR KITS)**



### **RAPID TESTS**



### **BLOOD GROUPING and NEW BORN SCREENING GEL SYSTEMS**



**Biocalis offers a wide product portfolio of IVD products in Rapid Tests, Molecular Diagnostics and Bloodgrouping and Neonatal Gel Systems manufactured according to the highest IVD standards.**

### **MOLECULAR DIAGNOSTICS**

#### **(Real Time PCR Kits)**

- Microbiology: Viral, Bacterial, Fungal
- Molecular Genetics
- Food Safety
- Extraction Kits
- Sequencing
- Next Generation Sequencing

### **EQUIPMENTS**

- Extraction Systems

### **BLOOD GROUPING GEL SYSTEMS**

- Blood Grouping Gel Systems
- Blood Grouping Reagents
- Blood Grouping Diluent and Solutions
- Blood Grouping Red Blood Cells

### **NEWBORN SCREENING TESTS**

- Neonatal Phenylalanine Kit
- Neonatal Fluorometric Biotinidase Kit
- Neonatal Biotinidase Kit
- Neonatal TSH Kit
- Neonatal Fluorometric TSH Kit

### **EQUIPMENTS**

- Incubators
- Centrifuge
- Reader Systems
- Full Automation Systems

### **RAPID TESTS**

- Fertility
- Infectious Disease
- Drug of Abuse
- Tumor Markers
- Cardiac Markers
- Food Safety

# EQUIPMENTS

## EXTRACTION SYSTEMS



MDX extraction systems are innovative compact magnetic beads based benchtop workstations for flexible fully-automated isolation of nucleic acids from up to 48 samples.

Usage of pre-filled reagent cartridges and disposable consumables enable a true walk-away automation and high quality extraction.

## BLOOD GROUPING GEL SYSTEMS



Gel Card Centrifuge



Gel Card Incubator



Gel Card Reader

# MOLECULAR DIAGNOSTICS (PCR KITS)



## MICROBIOLOGY - REAL TIME PCR

### VIRAL

Adenovirus QUALITATIVE  
 Avian Infectious Bronchitis Virus QUALITATIVE  
 BK Virus- JC Virus QUALITATIVE  
 BK Virus QUANTITATIVE  
 Crimean Congo Virus QUALITATIVE  
 Epstein-Barr Virus QUANTITATIVE  
 H1N1 QUALITATIVE  
 H5N1 QUALITATIVE  
 Hepatitis B Virus QUANTITATIVE  
 Hepatitis C Virus 1/2/3/4 Genotyping  
 Hepatitis C Virus QUANTITATIVE  
 Hepatitis Delta Virus QUALITATIVE  
 Herpes Simplex Virus 1/2 QUALITATIVE  
 Human Cytomegalovirus QUANTITATIVE  
 Human Immunodeficiency Virus-1 QUANTITATIVE  
 Human Immunodeficiency Virus QUANTITATIVE  
 JC Virus QUANTITATIVE  
 Parainfluenza Virus QUALITATIVE  
 Parvovirus B19 QUANTITATIVE  
 Respiratory Syncytial Virus QUALITATIVE  
 Transfusion Transmitted Virus QUALITATIVE

### BACTERIAL

Mycobacterium tuberculosis QUALITATIVE  
 Brucella spp. QUALITATIVE  
 Vancomycin-resistant Enterococcus spp. QUALITATIVE  
 Methicillin-resistant Staphylococcus aureus QUALITATIVE  
 Chlamydia pneumoniae QUALITATIVE  
 Chlamydia trachomatis QUALITATIVE  
 Ureoplasma spp. QUALITATIVE  
 Helicobacter pylori QUALITATIVE  
 Salmonella spp. QUALITATIVE  
 Listeria monocytogenes QUALITATIVE  
 OXA-58/OXA-51/OXA-23 QUALITATIVE

### FUNGAL

Aspergillus spp. QUALITATIVE

### MOLECULAR GENETICS

Factor V Leiden Mutation DETECTION  
 MTHFR C677T Mutation DETECTION  
 MTHFR A1298C Mutation DETECTION  
 MTHFR (Factor II/G20210A) Mutation DETECTION  
 PAI-1 4G/5G Deletion Mutation DETECTION  
 Factor V H1299R Mutation DETECTION  
 HLA-B27 Mutation DETECTION  
 Interleukin 28B Mutation DETECTION  
 Hereditary Hemochromatosis H63D Mutation DETECTION  
 PML/RARA t(15:17) Translocation DETECTION  
 BCR/ABL t(9:22) Translocation DETECTION

### FOOD

Meat Species IDENTIFICATION

## LABORATORY EQUIPMENT

### Real-Time PCR

Detection System-48 - 3 channel detection  
 Detection System-96 - 4 channel detection  
 2 or 4 channel detection, Magnetic Induction Cyclers (BMS)

### Extraction Systems

Blood DNA Extraction Kit (200)  
 Blood DNA Extraction Kit (1200)  
 Viral Nucleic Acid Extraction Kit  
 Tissue DNA Extraction Kit  
 Cultured Cell DNA Extraction Kit  
 Bacterial DNA Extraction Kit  
 HPV DNA Extraction Kit for Swab samples  
 TB DNA Extraction Kit for Swab samples  
 FFPE DNA Extraction Kit for swab samples  
 Forensic DNA Extraction Kit for Swab samples  
 Viral/Pathogen Nucleic Acids Extraction Kit A  
 Viral/Pathogen Nucleic Acids Extraction Kit B  
 Viral RNA Extraction Kit  
 Plant DNA Extraction Kit  
 Total RNA Extraction Kit  
 Viral Nucleic Acid Extraction Kit 800

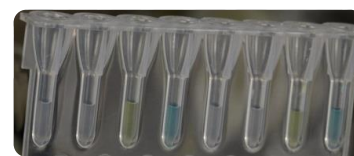
### SANGER SEQUENCING

Beta-thalassemia  
 FMF Sequencing Kit  
 CF Sequencing Kit  
 HBV drug resistance  
 FMF Sequencing Kit

### NEXT GENERATION SEQUENCING

CF Sequencing Kit  
 Beta-thalassemia Sequencing Kit  
 FMF Sequencing Kit

# BLOOD GROUPING and NEW BORN SCREENING GEL SYSTEMS



<b>BLOOD GROUPING SYSTEMS AND NEW BORN SCREENING TESTS</b>	
<b>BLOOD GROUPING GEL SYSTEMS</b> <span style="float: right;"><i>Use</i></span>	
Forward Group 1	Detects A,B,O and Rh D Groups with Gel System.
Forward Group 2	Detects A,B,O and Rh D Groups with Gel System.
Forward Group 3	Detects A,B,O, A1, Rh D, Rh D VI and CDE with Gel System.
Forward and Reverse Grouping	Detects A,B,O, A1, Rh D, Rh D VI and Reverse Groups with Gel System.
Comp Test	Detects ABO, Rh incompatibility and the existence of antibodies in patient Vs donor erythrocyte.
Neonatal Grouping	Allows the application of the test for new born; ABO, Rh D, Rh DVI and Direct Coomb.
AHG Gel Test	Allows testing for reverse grouping, antibody detection and compatibility.
DAT Screen	Test to determine whether red blood cells (RBCs) have been coated in vivo with immunoglobulin, complement, or both.
A Subgrup	Detects A1 Antigen in erythrocyte with gel system
Neutral Gel	Testing for reverse groups, antibody detection and compatibility.
Rh Phenotype +K	Testing the Rh antigen and K antigens for their clinical significance with Gel Systems.
<b>NEONATAL SCREENING TESTS</b> <span style="float: right;"><i>Use</i></span>	
Neonatal Phenylalanine Assay	Intended for the quantitative determination of phenylalanine concentrations in blood specimens in screening newborns for phenylketonuria.
Neonatal Fluorometric Biotinidase Assay	Intended for the quantitative determination of human biotinidase activity in blood specimens in screening newborns for biotinidase deficiency.
Neonatal Biotinidase Assay	Intended for the quantitative determination of human biotinidase activity in blood specimens in screening newborns for biotinidase deficiency/
Neonatal TSH	Neonatal TSH assay is used in screening newborns for Congenital hypothyroidism.
Neonatal Fluorometric TSH Assay	Neonatal TSH assay is used in screening newborns for Congenital hypothyroidism.
<b>BRUCELLA TESTS</b> <span style="float: right;"><i>Use</i></span>	
Brucella Coombs Gel Test 384	Intended to detect the antibodies against the Brucella Bacteria
Brucella Coombs Gel Test 96	Intended to detect the antibodies against the Brucella Bacteria/
<b>BLOOD GROUPING RED BLOOD CELL</b> <span style="float: right;"><i>Use</i></span>	
Cell Reverse A1, B	Intended to detect the ABO antibodies in test cells and donor/receptors plasma
Cell Reverse A1, A2, B, O	-
Cell Screen 1-2	-
Cell Screen 1-2 Pap	-
Cell Screen 1-2-3	Intended for antibody detection.
CELL 1-2-3 PAP Control Sol.	Intended for antibody detection.
Cell ID 11	-
Cell ID 11 Pap	-
Cell Coombs control	Intended for antibody detection.
Weak Anti D-weak D Solution	-
IgG Sensitized Red Cell	-
<b>BLOOD GROUPING DILUENT</b> <span style="float: right;"><i>Use</i></span>	
LISS Diluent 500 ml	LISS (Low Ionic Strength Solution) is helpful in detection of weak antibodies during cross match techniques, antibody screening and antibody identification.
Papain Solution	-
Bromelin Solution	Bromelin-Solution is used in blood group serology to enhance reactions of immunantibodies. It is used in the routine antibody search of patient`s sera samples and for the compatibility test.
Internal Process Control Sol (A,B,O+,O-) (4 Bottls)	-
<b>BLOOD GROUPING REAGENT</b> <span style="float: right;"><i>Use</i></span>	
Anti-A	The Anti-A, Anti-B, and Anti-A,B reagents are used in the red blood cell determination of the ABO blood group. They are used to determine the absence or presence of erythrocytic antigens A and/or B on the surface of human red blood cells.
Anti-B	The Anti-A, Anti-B, and Anti-A,B reagents are used in the red blood cell determination of the ABO blood group. They are used to determine the absence or presence of erythrocytic antigens A and/or B on the surface of human red blood cells.
Anti D	The Anti-D, reagents are used to determine the absence or presence of erythrocytic antigens.
<b>GEL CARD DEVICES</b> <span style="float: right;"><i>Use</i></span>	
Gel Card Centrifuge x 12	-
Gel Card Centrifuge x 24	-
Gel Card Incubator	-
Reader	-
Gel Card Stand	-
Pipet Stand	-
Gel Card Centrifuge Rotor x 8	-

# RAPID TESTS



FERTILITY	Format
Human Chorionic Gonadotropin	Strip, Cassette Midstream
hCG Serum/Urine Combo	Strip, Cassette
hCG Ultra Sensitive Early Detection	Strip, Cassette Midstream
Luteinizing Hormone	Strip, Cassette Midstream
Follicle Stimulating Hormone	Strip, Cassette Midstream
Sperm O.K.-Male Fertility	Strip, Cassette
INFECTIOUS DISEASE	
Hepatitis B Virus Surface Antigen	Strip, Cassette
Hepatitis B Virus Surface Antibody	Strip, Cassette
Hepatitis B Virus e Antigen	Strip, Cassette
Hepatitis B Virus e Antibody	Strip, Cassette
Hepatitis B Virus Core Antibody	Strip, Cassette
HBV(HBsAg, HBsAb, HBeAg, HBeAb,HBcAb) combo	Cassette
Hepatitis C Virus Antibody	Strip, Cassette
Human Immunodeficiency Virus 1+2 Antibody	Strip, Cassette
Human Immunodeficiency Virus 1/2 Antibody, Three Line	Strip, Cassette
HIV, HBsAg, HCV combo	Cassette
Treponema pallidum Antibody	Strip, Cassette
Neisseria Gonorrhoeae	Strip, Cassette
Helicobacter Pylori Antibody	Strip, Cassette
Helicobacter Pylori Antigen	Strip, Cassette
Malaria (Pf.) Antigen	Cassette
Vibrio Cholerae O139	Strip, Cassette
Vibrio Cholerae O1 Ogawa	Strip, Cassette
Vibrio Cholerae O1 Inaba (3-line indirect)	Strip, Cassette
Vibrio Cholerae O1	Strip, Cassette
VC O1-O & VC O1-I (3-line indirect)	Strip, Cassette
VC O139, VC O1 (3-line)	Strip, Cassette
VC O139, VC O1-O, & VC O1-I (4-line)	Strip, Cassette
F1 Antigen of Y. pestis Plague	Strip, Cassette
Tuberculosis	Serum/Plasma
Dengue Virus IgG/IgM Antibody	Strip, Cassette
Dengue NS1 Antigen	Strip, Cassette
Dengue Virus IgG/IgM Antibody& NS1 Antigen	Cassette
Adenovirus	Strip, Cassette
Rotavirus	Strip, Cassette
Rotavirus & Adenovirus (3 lines)	Strip, Cassette
Group A Streptococcus	Cassette
Chlamydia trachomatis	Cassette
Procalcitonin Test	Strip, Cassette
Salmonella Typhi Antigen	Strip, Cassette
Salmonella Typhi/Para Typhi Antigen	Strip, Cassette
Chikungunya IgG/IgM Test	Strip, Cassette
Chagas Antibody Test	Strip, Cassette
Zika IgG/IgM Antibody Test	Cassette
Dengue IgG/IgM & Zika IgG/IgM Antibody Test	Cassette
Dengue IgG/IgM, Dengue NS1, Zika IgG/IgM	Cassette
Dengue NS1 & Zika IgG/IgM Test	Cassette
Syphilis Test	Strip, Cassette
Rapid Influenza A Test Card (Flu A)	Cassette
Rapid Influenza A + B Test Flu A+B )	Cassette
DRUGS OF ABUSE	
Amphetamine	
Barbiturates	
Benzodiazepine	
Cocaine	
Methylenedioxymethamphetamine	Strip
Methamphetamine	Cassette
Morphine	Multi Drug Cups
Opiates	
Methadone	
Tricyclic Antidepressant	
Buprenorphine	
Oxycodone	
Phencyclidine	
Saliva Alcohol Test	Strip
Tramadol Test	Strip and Cassette
EEDP	Strip and Cassette
Tramadol Test	Strip and Cassette
EEDP Test	Strip and Cassette
MDMA (Ecstasy) Test	Strip and Cassette
Urine Alcohol Test	Strip and Cassette
Propoxyphene Test	Strip and Cassette
Urine Alcohol Test	Strip and Cassette
Propoxyphene Test	Strip and Cassette
Methylphenidate(Ritalin) Test	Strip and Cassette
Fentanyl Test	Strip and Cassette
Clonazepam Test	Strip and Cassette
Cotinine Test	Strip and Cassette
Synthetic Marijuana(K2)Test	Strip and Cassette
DOA-6 Saliva TestAMP/BZD/COC/MAMP/OPI/THC	Strip and Cassette

# RAPID TESTS



<b>TUMOR MARKERS</b>	
Carcinoembryonic Antigen	Strip and Casette
Fecal Occult Blood	Strip and Casette
Fecal Transferrin Test	Strip and Casette
Fecal Occult Blood and Fecal Transferrin Combo Test	Strip and Casette
Alpha - Fetoprotein	Strip and Casette
Prostate Specific Antigen	Strip and Casette
<b>CARDIAC MARKERS</b>	
Fatty Acid - Binding Protein	Strip and Casette
Troponin I	Strip and Casette
Creatine Kinase Isoenzymes	Strip and Casette
Myoglobin	Strip and Casette
C-Reactive Protein	Strip and Casette
C-Reactive Protein Semi-Quantitative	Strip and Casette
<b>VITAMIN</b>	
Vitamin D Test	Card
<b>FOOD SAFETY</b>	
Aflatoxin	Strip and Casette
Chloramphenicol	Strip and Casette
Chloramphenicol Ultra Sensitivity	Strip and Casette
Clenbuterol	Strip and Casette
Salbutamol rapid test	Strip and Casette
Ractopamine rapid test	Strip and Casette
<b>GMO</b>	
Bacillus Thuriensis Cry 1 Ab/Ac Protein (Insect Resistant)	Strip and Casette
Round Up Ready CP4 EPSPS Protein (Herbicide Resistant)	Strip and Casette
Phytase (GMO-Corn)	Strip and Casette
High Glycosylated Phytast Test	Strip and Casette
Phosphinothricin-N-acetyltransferase rapid Test	Strip and Casette
Hygromycin phosphotransferase rapid Test	Strip and Casette
IrrE Protein rapid Test	Strip and Casette
Neomycin phosphotransferase type II rapid Test	Strip and Casette
G2 EPSPS Protein (Herbicide Resistant) rapid Test	Strip and Casette
BAR Protein (Herbicide Resistant) rapid Test	Strip and Casette
Bacillus Thuriensis Cry 1 Ab/Ac Protein & CP4 EPSPS Protein combo rapid test	Strip and Casette

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