



Dedication to sample sourcing?

# We I.V.D.O. that <sup>TM</sup>

**Biospecimens**  
catalog

Medix Biochemica

# Introduction

Biospecimens constitute any natural portion of the human body and includes tissues, fluids, and more. Biospecimens can be collected from either living or deceased donors and are utilized for research and medical testing purposes. It is important to ensure that collections are controlled and detailed to maintain the highest quality biospecimens. Biospecimens can also be collected under specific guidelines, such as a donor age range, ethnicity, gender, and beyond. This level of quality along with tailored collection guidelines ensures a high quality, vast donor database. Selection of the appropriate biospecimen and collection conditions are dependent on the users' goals and processes. As the IVD market becomes more robust, it is critical that manufacturers are provided with high quality, tailored biospecimen collections along with a vast knowledge of the biospecimen uses, functions, and recommendations. Biospecimens have a wide array of uses in the IVD field and beyond, with new applications and focus areas rising frequently. Nasal fluid is a biospecimen utilized in the respiratory health market for assay development and validation. An example of this is development and validation of

multiplex PCR testing for respiratory pathogens such as RSV, Influenza Viruses, and COVID, among others. Vaginal swabs are utilized for women's health, such as testing for bacterial infection sensitivity. Additionally, pre and post-coitus vaginal swabs can be utilized in a medical forensic lab to help find assailants in sexual assault cases. Cerebrospinal fluid is another common biospecimen used for detection of Alzheimer's and dementia as well as for detection of infectious diseases in the brain and spinal cord. Medix Biochemica provides a wide selection of high quality, controlled biospecimens and offers a vast knowledge on biospecimen uses, functions, and recommendations. Additionally, Medix Biochemica offers a user-tailored biospecimen collection program that helps customers get the most out of their product whether its addition of stabilizers, clarification, or time sensitive collection and beyond. Their optimized, industrial-scale production methods, certified batch-to-batch consistency, and expert customer service have made Medix Biochemica one of the most important raw material suppliers for the in vitro diagnostic (IVD) community.



## Products

Disease State Plasma / Serum	4
Base Matrices	4
Biospecimens	5
Bulk Biologicals	5
Immunoglobulins	6-7
Albumin	7

## Disease State Plasma / Serum

Take advantage of the many years we've spent widening our network of hard to source raw materials, delivering custom clinical collections, processing services and cementing our reputation as a highly technical, responsive and trusted partner in the IVD industry.

### AUTO IMMUNE DISEASE

Multiple Sclerosis  
 Psoriasis  
 Rheumatoid Arthritis (RF)  
 Systemic Lupus  
 Antibody Positive

---

C ANCA  
 anti-cardiolipin (IgG, IgM, IgA)  
 Gliaden, JO-1  
 Microsomal (TPO)  
 Nuclear Ab (ANA)  
 Parietal  
 PM Scl-70  
 RNP  
 Smith  
 Smooth muscle (AMSO)  
 SSa, SSb  
 Thyroglobulin  
 DNA / Histone  
 dsDNA and ssDNA  
 Ribosomal Nuclear Protein

### INFECTIOUS DISEASE

Adenovirus, Amebiasis, Aspergillus  
 Bordatella pertussis  
 Chagas (anti-T cruzii), Candida  
 Chlamydia (IgA, IgG, IgM), CMV (IgG, IgM)  
 EBV (VCA, EA, EBNA)  
 Giardia, H Pylori (IgA, IgG, IgM)  
 HAV (Total, IgG, IgM)  
 HBc (Total, IgG, IgM)  
 HBc Ag (AD, AY)  
 HBV and HBV DNA  
 HIV-1 Ag (p24 and other WB)  
 HIV-1 Ab (group M, O, genotypes)  
 HIV-2, HIV 1/2, HPV  
 HTLVI, HTLVII, HTLVIII  
 HSV-1 (IgG, IgM) HSV2 (IgG, IgM)  
 Influenza A/B  
 Legionella (IgG, IgM), Lyme (IgG, IgM), Leptospira  
 Mononucleosis, Mumps (IgG, IgM)  
 Mycoplasma (IgG, IgM)  
 Parvovirus, Rubella (IgG, IgM)  
 Rubeola (IgG, IgM), Rocky Mtn Sp Fever  
 Syphilis (RPR and Anti-Treponema)  
 S. cervisiae (ASCA)  
 Tetanus, Toxoplasmosis (IgG, IgM)  
 VZV (IgM), West Nile

### INTERFERING SUBSTANCES

Lipemic  
 Icteric  
 Hemolyzed

## Base Matrices

Liquid reagents required to manufacture quality controls and calibrators for immunoassays, chemistry, and molecular platforms

### PROCESSED PLASMA

BioCon II Defibrinated, dialyzed, filtered  
 BioCon II A Antibody negative  
 BioCon II D Delipidated  
 BioCon II CD Charcoal Stripped (Hormone/Vitamin/  
 Steroid Free)  
 BioCon II C Affinity Stripped (TSH/FSH)

### TRUE SERUM

Pooled Serum Normalized Human Serum  
 Off-the-Clot Pooled and Filtered Human Serum  
 Off-the-Clot D Pooled, Delipidated and Filtered

Product

Catalog  
 number

## Biospecimens

Collected donor and patient samples or clinical remainders. Often donor age, gender, race is specified. Other information including current medication, BMI, medical history, etc. can be requested and provided as available.

### BASE PRODUCT

Ascites Fluid	991-07
Buccal Swabs	991-27
Cerebrospinal Fluid	991-19
Fecal Matter	991-18
Hair	991-14
Meconium	991-16
Menstrual Blood	991-15
Nasal Fluid	991-13
Nasal Swabs	991-31-NC
Perianal Swabs	991-34
Pharyngeal Swabs	991-31-TC
Plasma	991-58
Pleural Fluid	991-38
Rectal Swab	991-43
Red Blood Cells/RBCs	991-09
Saliva	991-05
Semen	991-04
Sweat	991-20
Tears	991-12
Vaginal Fluid	991-10
Vaginal Swabs	991-25
Vomit	991-28

## Bulk Biologicals

Wide number of single donor and bulk pooled sample types. Several processing steps, including filtration, pH and heat treatment, charcoal stripping, analyte screening, custom collections available.

### BASE PRODUCT

Ascites Fluid	991-07*
Breast Milk	991-01
Nasal Fluid	991-13
Pleural Fluid	991-38*
Saliva	991-05
Semen	991-04
Sputum	991-17*
Sweat	991-20
Urine	991-03
Whole Blood	991-50

\*Not available in pooled format

Product	Concentration mg/mL *	Catalog number
---------	--------------------------	-------------------

### Immunoglobulin A (IgA)

is an antibody which plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA).

MONOCLONAL ANTIBODY		
IgA	8203	5 100101

### Immunoglobulin E (IgE)

plays an important role in allergy and defence against parasites. IgE is a class of antibody that has only been found in mammals.

MONOCLONAL ANTIBODIES		
IgE	8510	5 100429
	8516	5 100858
	8518	1 100106

### Immunoglobulin G (IgG)

antibodies are involved in the secondary immune response. IgG is a monomeric immunoglobulin consisting of four subclasses and constituting 75% of serum immunoglobulins in humans.

MONOCLONAL ANTIBODIES		
IgG	7701	5 100087
	7701	>10 100152

### Immunoglobulin M (IgM)

is involved in primary immune response. IgM is a basic antibody that first appears in response to antigen exposure and indicates recent infection in patient's serum.

MONOCLONAL ANTIBODY		
IgM	7408	5 100084

Product	Source	Purity	Form	Catalog number
---------	--------	--------	------	----------------

### Immunoglobulin A (IgA)

#### NATIVE ANTIGENS

IgA	Human Plasma	High Purity	Liquid	340-10
			Liquid	340-13
			Lyophilized	340-12
IgA Fc	Human Plasma	High Purity	Liquid	340-14
Secretory IgA	Human Colostrum	High Purity	Lyophilized	527-55

#### POLYCLONAL ANTIBODY

IgA	Goat anti-Human	High Purity	Liquid	GA-80A
-----	-----------------	-------------	--------	--------

### Immunoglobulin E (IgE)

#### NATIVE ANTIGEN

IgE	Human Myeloma Plasma	High Purity	Liquid	340-41
-----	----------------------	-------------	--------	--------

### Immunoglobulin G (IgG)

#### NATIVE ANTIGENS

IgG	Human Plasma	High Purity	Lyophilized	340-21
IgG Fc	Human Plasma	High Purity	Liquid	340-23
IgG Fab	Human Plasma	High Purity	Liquid	340-27

### Immunoglobulin M (IgM)

#### NATIVE ANTIGENS

IgM	Human Plasma	High Purity	Liquid	340-31
			Lyophilized	340-30
	Human Myeloma Plasma	High Purity	Liquid	340-35
IgM Fc5 $\mu$	Human Myolema Plasma	High Purity	Liquid	340-33

### Serum Albumin

#### NATIVE ANTIGENS

Albumin	Human Plasma	High Purity	Lyophilized	101-10
Albumin, 20% Solution	Human Plasma	High Purity	Liquid	101-18
Albumin, 25% Solution	Human Plasma	High Purity	Liquid	101-15
Albumin	Bovine Serum	High Purity	Lyophilized	100-30

# Medix Biochemica Group

Medix Biochemica is a global, market-leading supplier of critical raw materials to the *in vitro* diagnostics (IVD) industry. Our mission is to enable IVD customers to deliver accurate results to billions of patients worldwide. By working in partnership with Medix Biochemica, IVD manufacturers can reduce their time to market through our industry-leading expertise which increases efficiencies and builds quality into their tests. We achieve this through our deep scientific know-how combined with the broadest and most relevant raw material portfolio and our relentless focus on quality.

Medix Biochemica Group employs more than 260 professionals worldwide. With headquarters in Finland, we serve our worldwide customers through our local teams in the US, Europe, and Asia. [www.medixbiochemica.com](http://www.medixbiochemica.com)

# Close to our global customers

We serve our global customers from our sites in Finland, the USA, France, Germany and China.



## The first-choice partner

- Focusing on IVD manufacturers' needs
- Capability to support customers across the globe
- Focus on new product development based on customer needs
- Efficient and scalable manufacturing capabilities



## Widest portfolio

- Monoclonal antibodies
- Antigens for immunoassay materials
- Molecular diagnostics reagents
- Enzymes for clinical chemistry controls
- Biochemicals and biologicals



## Highest quality

- ISO 13485 & FDA QSR compliance
- Batch to batch consistency
- Scalable production capability from milligrams to kilograms

# Our values



## We care

We put the customer first; we care for the people and the world around us.



## We dare

We are ambitious and innovative; we take risks and dare to win with our customers.



## We deliver

We commit to our customers and keep our promises.

## Get in touch

**Orders:**

[orders@medixbiochemica.com](mailto:orders@medixbiochemica.com)

**Sales inquiries:**

[sales@medixbiochemica.com](mailto:sales@medixbiochemica.com)

**Molecular Diagnostics:**

[MDx@medixbiochemica.com](mailto:MDx@medixbiochemica.com)

**Technical support:**

[techsupport@medixbiochemica.com](mailto:techsupport@medixbiochemica.com)

**General inquiries:**

[medix@medixbiochemica.com](mailto:medix@medixbiochemica.com)

# Medix Biochemica

Ordering and product information

[medixbiochemica.com](http://medixbiochemica.com)

Copyright © 07/2022 Medix Biochemica. All rights reserved.

Lee Biosolutions, EastCoast Bio, Diaclone, myPOLS Biotech, and Bioresource Technology are part of Medix Biochemica Group. Medix Biochemica reserves the right to make changes and improvements to any of the products described in this document without prior notice.