

# NEGEV BIOBANK

## Advancing Clinical Research and Personalized Medicine

Negev Biobank, affiliated with Soroka's Clinical Research Center (SCRC) and Clalit Health Services, is a leading biobank providing biological samples and comprehensive EMR data for clinical research and personalized medicine

# ABOUT US

The Negev Biobank (NBB) specializes in collecting, processing, and storing a [wide variety of biological samples](#). All samples are obtained with the informed consent of patients and are meticulously handled in our BSL-2 laboratories, adhering to the strict protocols of the Israeli National Database for Biological Samples.

We foster robust collaborations with academic researchers both in Israel and internationally, as well as with companies in the biotech, pharmaceutical, and medical device industries.

Our activities include the [prospective collection](#) of new samples, and the management of ongoing sample collections housed in one of our [three dedicated repositories](#).

## PROSPECTIVE COLLECTION

Our biobank is committed to meeting your research needs, including prospective collection of diverse human samples

Buffy Coat | DNA | RNA | Feces | Swab | Whole blood | PBMC |  
Serum | Saliva | Fresh Tissue | Frozen Tissue | Paraffin Preserved  
Tissue | Stained Sections/slides | Urine | CSF | Peritoneal fluids |  
Seminal fluid | Cerebrospinal fluid | Follicular fluids | Bone tissue |  
Hair tissue

## REPOSITORIES

1. Disease specific
2. General population
3. Maternity ward

# WHAT SETS US APART?

## The combination of samples and longitudinal EMR data

We provide human samples paired with associated comprehensive EMR (electronic medical records) data collected from both hospitals and community clinics, spanning years of patient history. This unique integration offers a holistic view of patient health, creating valuable resources that can enhance the accuracy of findings, facilitate the identification of biomarkers, and support personalized medicine by enabling researchers to link clinical outcomes to molecular profiles.

## Diverse Population Representation

Located in the Negev region, which constitutes 60% of Israel's landmass, we serve a population of over one million residents. This ethnically diverse population, with unique health characteristics and a broad socioeconomic spectrum, enriches the scope of research.

## Sample Storage Services

Our biobank offers tailored, secure storage solutions for preserving human biological materials, enabling industry partners to conduct proprietary research and development with confidence.

# REPOSITORIES CONTENT

## (1) Disease specific repository

Disease or procedure		Sample type														
		Plasma	Serum	PBMC	Malignant tissue	Normal tissue	Bone marrow	Abdominal skin	Subcutaneous fat tissues	Stool	Whole blood	Saliva	Swab	Urine	Posterior vaginal tissue	Anterior vaginal tissue
Cancer	Colon	✓	✓	✓	✓	✓										
	Uterine	✓	✓	✓	✓	✓										
	Leukemia and Lymphoma	✓	✓	✓			✓									
	Head and Neck	✓	✓	✓	✓											
	Skin	✓	✓	✓	✓				✓							
Other	Orthopedic diseases	✓	✓	✓												
	Bariatric procedures	✓	✓	✓		✓		✓								
	Urological diseases	✓	✓	✓												
	Type 2 diabetes	✓	✓	✓				✓	✓							
	Parkinson's disease	✓	✓	✓												
	IBD*									✓						
	Creutzfeldt–Jakob disease	✓	✓	✓							✓	✓	✓	✓		
	Vaginal tissue**														✓	✓

\* Inflammatory bowel disease- preparation for colonoscopy

\*\*obtained during colporrhaphy

## (2) General population arriving at the ER

Heterogeneous patients of various ages, origins, and health conditions. We collect urine and blood samples. Blood is further processed into serum, plasma, and white blood cells components.

## (3) Maternity Ward

Collected samples include maternal blood, cord blood, placental tissue, amniotic fluid, and meconium.

# HOW DOES THE PROCESS WORK?



## *Initial interaction*

We will discuss your needs: the type and number of samples and the clinical characteristics of the patient from which samples are obtained.



## *Protocol preparation*

Our experienced team will collaborate closely with you to develop a comprehensive and compliant protocol that meets regulatory standards.



## *Protocol submission to Helsinki committee*

Committee convenes monthly, with submission deadlines set two weeks before each meeting. For ongoing studies requiring minor amendments, an expedited review process is available.



## *Signing an agreement*

Agreement outlines the terms of use, ensuring ethical and regulatory compliance. Key provisions include maintaining patient confidentiality, limiting sample use strictly to the specified study, and prohibiting sample transfer or commercialization without prior authorization.

# COST STRUCTURE

1. *Cost of samples\**
2. *Overhead (15% of sample/s costs)*
3. *Project initiation fee*
4. *Protocol preparation – optional; upon request*
5. *Minimal Data Set (MDS)\*\* – optional; upon request*

MDS includes:

*Demographics:* sex, age, ethnic origin, and country of birth.

*Clinical Information:* visit details, medical history\*\*\*, concomitant medications

*Sample-Specific Data:* sample type, collection date.

6. *Additional EMR data – optional; upon request*

\* prices of samples are set by the Israeli National Database for Biological Samples

\*\* prices of MDS are set by the Israeli National Database for Biological Samples

\*\*\* Charlson Comorbidity Index

**NBB**

Negev BioBank

## LET'S WORK TOGETHER

We provide excellent services tailored to meet the diverse needs of our clients. We look forward to collaborating with you, offering access to our extensive repository of high-quality samples, supporting your research through prospective sample collection, and providing associated EMR data.

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