

Empower **Your Health With Insight** From Comprehensive Diagnosis

# CELL VIABILITY SCREENING



Leading-edge Biotechnology in  
**Heterochronic Parabiosis.**

Elevates Confidence In **Preventive**  
And **Anti-Aging Treatments.**



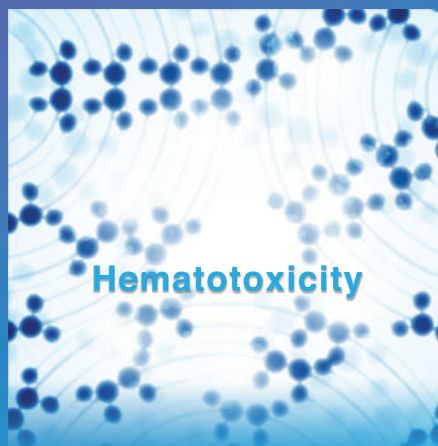
ENZYME ASSAYS -  
METABOLIC ASSAYS -  
MTT ASSAYS -

- FLOW CYTOMETRY  
- CELL COUNTING  
- PROTEIN CHAPERONING



We are now offering a cutting-edge diagnostic service that allows for the assessment of an individual's in vivo cell viability and biological aging through the diagnosis of their blood plasma with a cell line in the lab. This innovation is based on scientific research and clinical technique of heterochronic parabiosis.

### Cell Viability

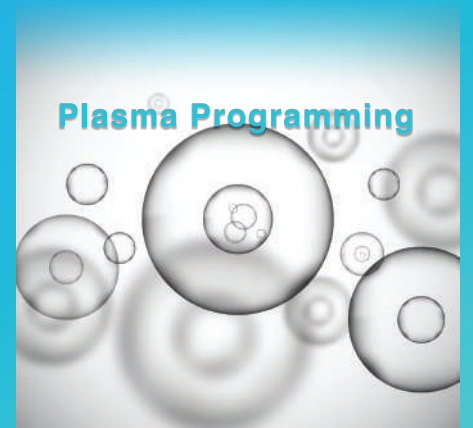


Individual's blood plasma sample is taken and culture with a carefully selected cell line in vitro. This sensitive cell line changes by environment factors and responds to cell death or damage, providing us with valuable insights into the quality of the individual's blood plasma and the potential impact it may have on other cells in the body.



By monitoring the behavior and viability of the cell line over time, we can assess the health and viability of the individual's cells to provide critical information and data for both medical practitioners and researchers. This test will assist and revolutionize the way we diagnose and treat a wide range of medical conditions, including those related to aging, chronic disease, and more.

### Plasma Programming





We offers a novel approach to evaluating the viability of **three** specific cell types:

## Endothelial progenitor cells (EPCs) :

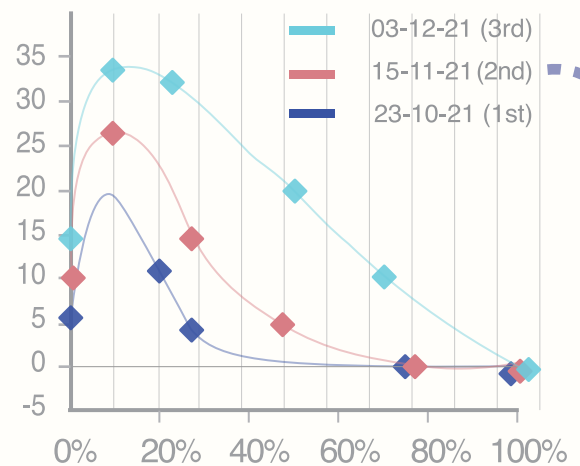
maintaining endothelial homeostasis, promoting angiogenesis, repairing vascular injury.

## Natural killer cells (NK Cells) :

play a vital role in the innate immune response, targeting virus-infected and tumor cells.

## Mesenchymal stem cells (MSCs) :

multipotent differentiation potential, secrete bioactive molecules that promote tissue regeneration.



Graph showing test data in EPCs demonstrated the improvement viability over 3 sessions of anti-aging treatment.

(Multiple assays including flow cytometry, live-cell imaging, and functional assays are employed to provide an accurate and comprehensive assessment of the viability and activity of cells. By evaluating the number, phenotype, and function of these cells, our tests can provide insight into individual's overall health status, the potential for tissue repair, and immune function.)

# 1

## Sample collection:

Blood sample is collected by certified doctor/nurse at the medical center.

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## Blood plasma isolation:

The blood sample will be transfer and processed in our satellite laboratory before the isolated plasma transported to our main lab for analysis.

# 2

## Cell culture:

Specific cell types being examined - EPCs, NK cells and MSCs are cultured in the laboratory.

# 3

## Plasma treatment:

Isolated blood plasma is then added to the cultured cells in the laboratory, and the cells are incubated for a specific period of time.

# 4

## Viability assessment:

The cultured cells are subjected to a battery of tests to assess their viability, including flow cytometry, live-cell imaging, and functional assays.

# 5



As the survival rate of the cultured cells may be low inside the testee's blood plasma, the lab may employ biological compounding formulation underlying the fundamental of Heterochronic Parabiosis to restore the cells' function.

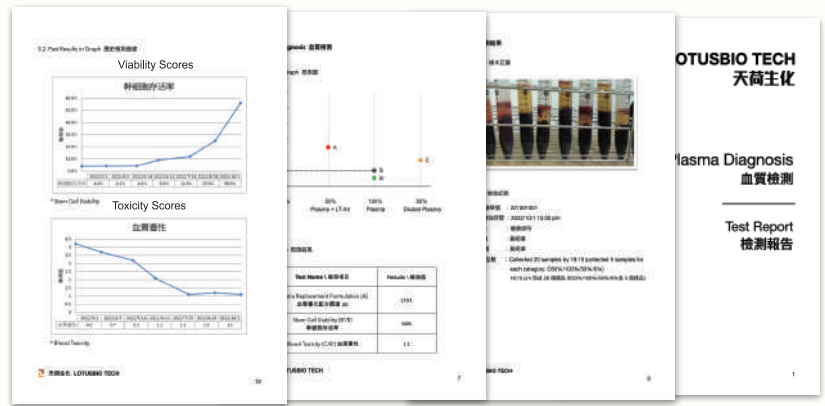
## Data analysis / Lab report:

Analyze the data obtained from the viability tests to provide an accurate and comprehensive assessment of the viability and activity of the specific cell types being examined. A comprehensive examination report will then be provided.

# 6

# CELL VIABILITY SCREENING

A New Revolutionary Screening  
Leads To Insight On The Effect  
Of Various Anti-Aging Medicine



**Plasma Diagnosis** - Hematotoxicity - **Cell Viability Tests** - Plasma Refinement



## about us - Lotusbio Technology Co., Ltd.

Lotusbio is a biochemistry company based in Hong Kong, specializing in human anti-aging and longevity modalities. Since its establishment in 2003, Lotusbio has been dedicated in developing innovative anti-aging treatments, including stem cell culture, cell transplant, bio cosmetics, and personalized 3D appliances for face engaging AI technology to enhance individual facial features. In recent years, the company focused its R&D efforts on Heterochronic Parabiosis, including developing automation machines in cell culturing, compounding, and plasma diagnostics fields. With these technologies, Lotusbio has established a leading-edge preventive and anti-aging clinical treatment that is safe, effective, and feasible, providing comprehensive solutions for its clients and patients.