



赛尔生命银行

CELL LIFE BANK

CORPORATE CULTURE



Guangdong Biotechnology Co. Ltd. was established in 2012 in Songshan Lake National High-tech Industrial Development Zone, Dongguan. We are an established company engaged in life science research and industrialization. For many years, we have been focusing on the research and development, application and promotion services of Stem Cell and White Blood Cell technology. We are on track to build an industrial chain integrating Stem Cell Storage, Adult Stem Cell Banks and High-Tech Regenerative Medicine Anti-Aging Centres.



3 Types Of Stem Cell Technologies At CELL LIFE BANK



3 Core Technologies

ASEL Adult Autologous Embryonic Stem Cells
(Adult Small Embryonic Stem Cells)

TCEL immune cells
(Thymus-dependent lymphocytes)

MSEL endometrial stem cells
(menstrual blood stem cells)



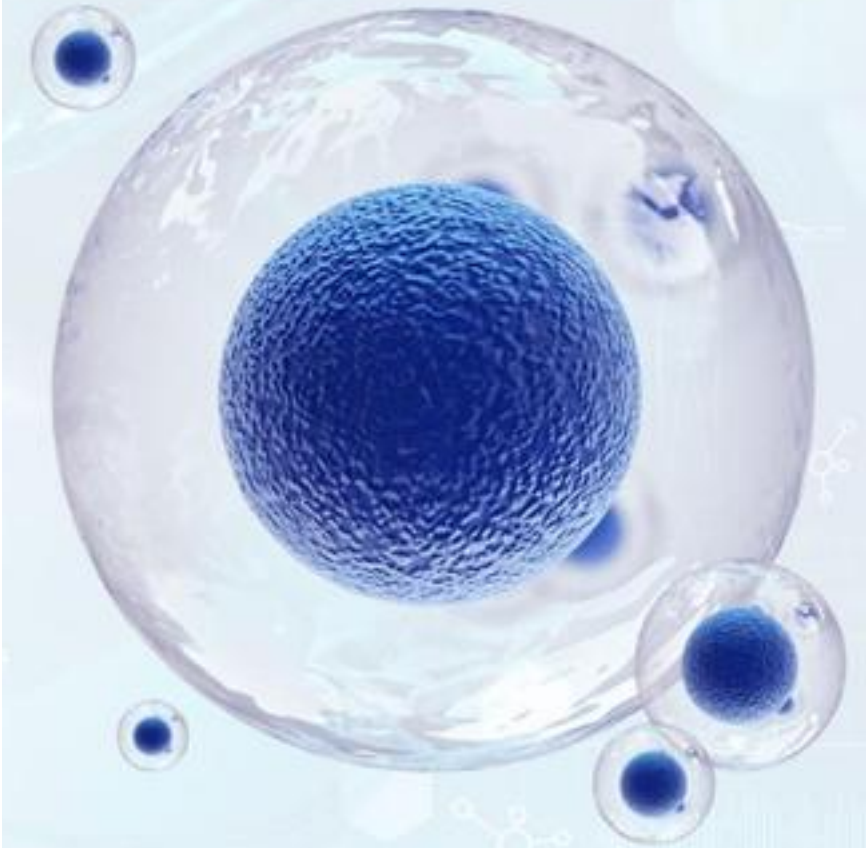
Adult Small Embryonic-Like Stem Cells



ASEL technology is a brand-new technology independently developed by Cell Biotechnology based on autologous stem cell technology, further improving the internationally advanced embryonic stem cell technology. This technology has been awarded an International Patent.

This cell is a rare type of pluripotent stem cell found in adipose tissue and bone marrow. It is small in size and has the typical characteristics of embryonic stem cells. It expresses OTC4+ and has the advantages of strong differentiation and amplification capabilities and is extracted from fat tissue.

This technology does not require bone marrow extraction, but only requires the collection of 5 ml of fat tissue from the human body. It is safe, painless, pollution-free and more convenient. After separation and purification, it is cultured in-vitro under simulated in-vivo physiological conditions through core optimization technology, so that the cells maintain good growth and vigorous reproductive vitality for their own use.



ASEL – A Comparison Of ASEL Against Other Types Of Stem Cells



	Peripheral Blood	Umbilical Cord Blood	Marrow	Fat	Embryonic Cells	ASEL
Source	Drawn Blood	Umbilical Cord Of Newborn Child	Human Bone Marrow	Body Fat	Aborted Fetuses	Small Amount Of Body Fat
Extraction Process	Strictly Controlled By Law	Challenging; Requires Hospital Surgery	Poses Risk; Long Recovery Time	Large Quantity Of Fat Needs to be Extracted	Suspicious Sources; Possibly Contaminated	Minimal Effects On Human Body
Number Of Stem Cells	2 Million Cells / 100ml of Blood	Approx. 1 Million per Portion	10 Million Cells / 100ml of Blood	0.5 Million Cells / 100ml of Fat	Large Yield; Tens Of Millions	Large Yield; 1 Billion Cells
Likelihood Of Rejection	Possible	Immediate Family Only	Requires Match Screening	No Rejection	High	No Rejection
Moral Considerations	n.a	n.a	n.a	n.a	Unethical	n.a
Resulting Quality Of Stem Cells Extracted	Poor; Results In Hematopoietic Stem Cells	Poor; Results In Hematopoietic Stem Cells	Good; Results In Pluripotent Stem Cells	Excellent; Results In Pluripotent Stem Cells	Excellent; Results In Omnipotent Stem Cells	Excellent; Results In Omnipotent Stem Cells



5 Major Benefits Of ASEL Technology



**Proliferative
Potential**



**Niche
Applications**



**Clinical /
Surgical
Targeting**



**Activates
Physiology of
the Human
Body**



**Resulting Stem
Cells Can Be Used
For Any Part of The
Human Body**

■ 6 Major Applications Of ASEL Technology



驻颜美容抗衰老
Beauty and anti-aging

激活组织的再生
Activate tissue regeneration

替代死亡、修复受损的细胞
Replace dead and damaged cell



恢复人体器官功能
Restore the function of human organs

逆转人体老化进程
Reverse the aging process of human body

补充工作细胞的缺失
Complement the missing working cells

■ Customers Who Have Benefitted From ASEL



Improved Skin, Reduction of Visible 'Eye Bags'

■ Customers Who Have Benefitted From ASEL



Improved Hairline, Partial Recovery Of 'Bald Spots' at Top Of Scalp Area

■ Customers Who Have Benefitted From ASEL



Chinese Celebrities And Media Personalities Who Have Benefitted From ASEL



《延禧攻略》制片人于正

Chinese Celebrities And Media Personalities Who Have Benefitted From ASEL



《延禧攻略》制片人于正

Chinese Celebrities And Media Personalities Who Have Benefitted From ASEL



张兰女士

俏江南创始人董事长，抖音近千万粉丝主播



唐国强

中国内地男演员、毛泽东特型演员



谷建芬

中国音乐家协会名誉主席、刘欢、那英、毛阿敏、孙楠等名人的导师



黄奕

中国影视女演员、歌手、导演、制片人



张晓龙

中国内地男演员



满文军

中国内地男歌手



梁璐

中央著名主持人



张逸杰

中国内地男演员

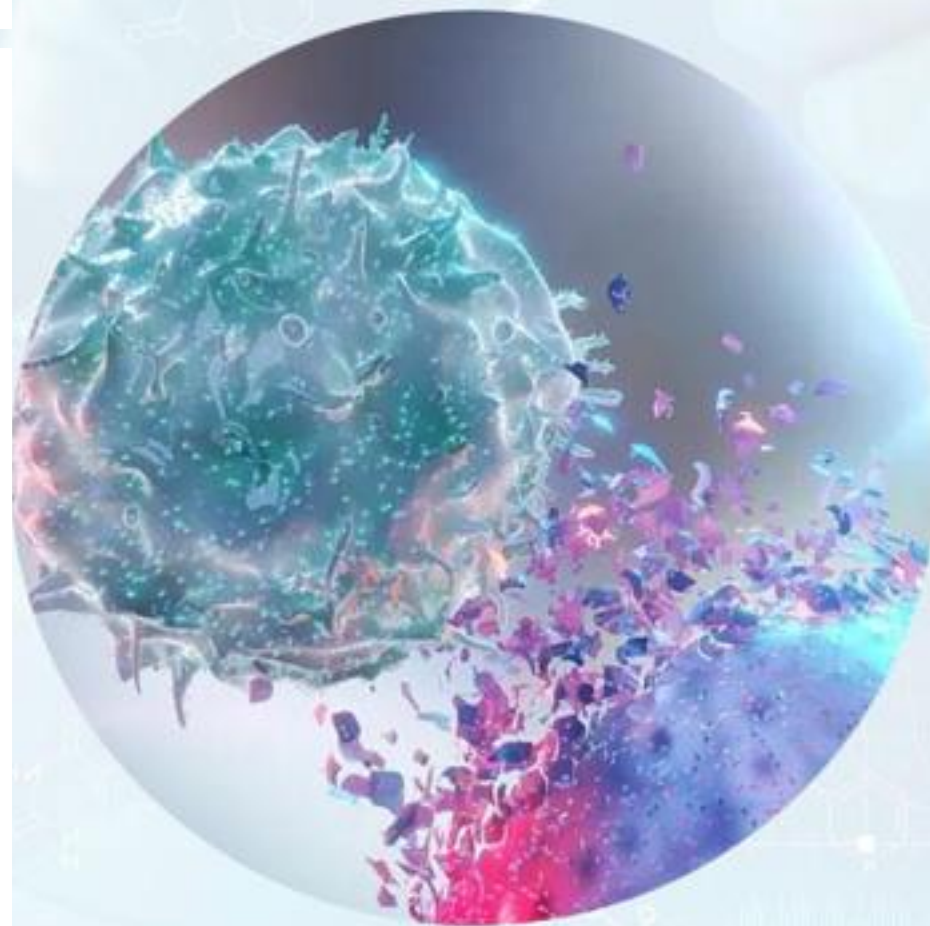
TCEL White Blood Cells

T Lymphocytes (Thymus-dependent lymphocytes)

T cells are the main component of lymphocytes and the basic component of the immune system. T cells do not produce antibodies but act directly, so the immune function of T cells is called "cellular immunity."

TCEL autologous immune cell therapy is a type of Cancer Biological Therapy, which refers to the input of white blood cells into the body to directly act on mutated cells or stimulate the body's immune response, thereby achieving the purpose of preventing cancer or eradicating the mutated cells.

We have successfully isolated and cultured a variety of functional T-lymphocytes, such as CD8, CD4, CD25, etc., from more than 200 T-lymphocyte subsets, and successfully amplified and reinfused them for the prevention and treatment of cancer, achieving good therapeutic effects. We have also pioneered the use of gene-modified T-lymphocytes, such as CAR-T and CART-P5 which have been applied to the treatment of advanced tumors and achieved amazing therapeutic effects.



■ The Importance Of White Blood Cells In Cancer Prevention

94%

B细胞急性淋巴瘤治愈率达到94%

80%

全部癌症治疗好转率超过80%



Removal Of Mutated Cells, Prevention Of Metastasis

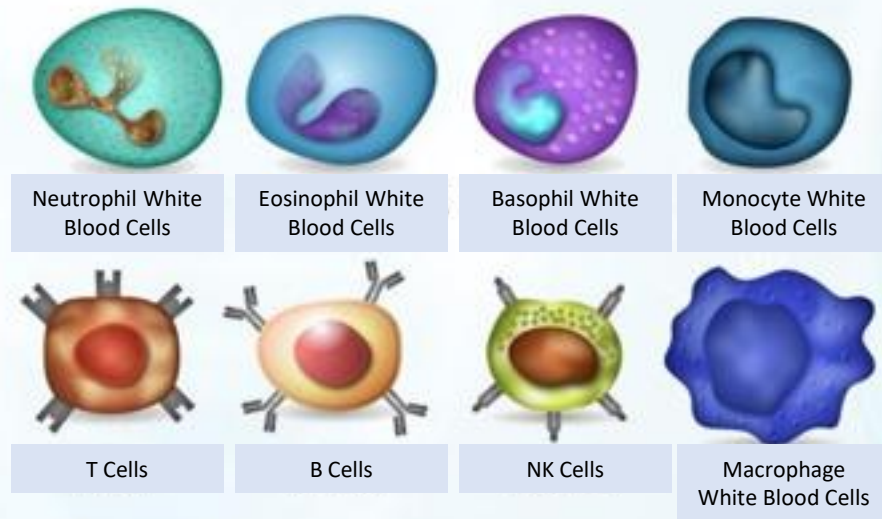
The first difficulty in clinical cancer treatment is that cancer cells are prone to metastasis and recurrence. Since Cancer is a systemic cell disease, some cancer cells have infiltrated or metastasized to other tissues and organs during surgery or radiotherapy and chemotherapy. TCEL cell immunotherapy uses the body's own immune cells to kill cancer cells. It is a systemic treatment method and can effectively prevent cancer cell metastasis.



Chemotherapy & Radiotherapy Side Effects

The medical community is now generally aware that many cancer patients die not because of the cancer, but because of overtreatment. In the process of cancer treatment, radiotherapy and chemotherapy kill cancer cells while also killing the normal cells and tissues of the human body. As the number of treatments increase, the patient's tolerance to radiotherapy and chemotherapy increases, and the intensity of radiotherapy and chemotherapy can only be increased, forming a vicious cycle. The cells used in TCEL cell therapy come from the human body, which not only directly and effectively kill tumor cells, but also restore the damage caused by radiotherapy and chemotherapy.

Your Body's Immune System Is The Best 'Doctor' In The World



White Blood Cells

=



'Defence'

Prevention of Bacteria, Viruses and Other Harmful Things From Entering Your Body

+



'Policing'

Targeting of Mutated Cells And Other Abnormalities In Your Body

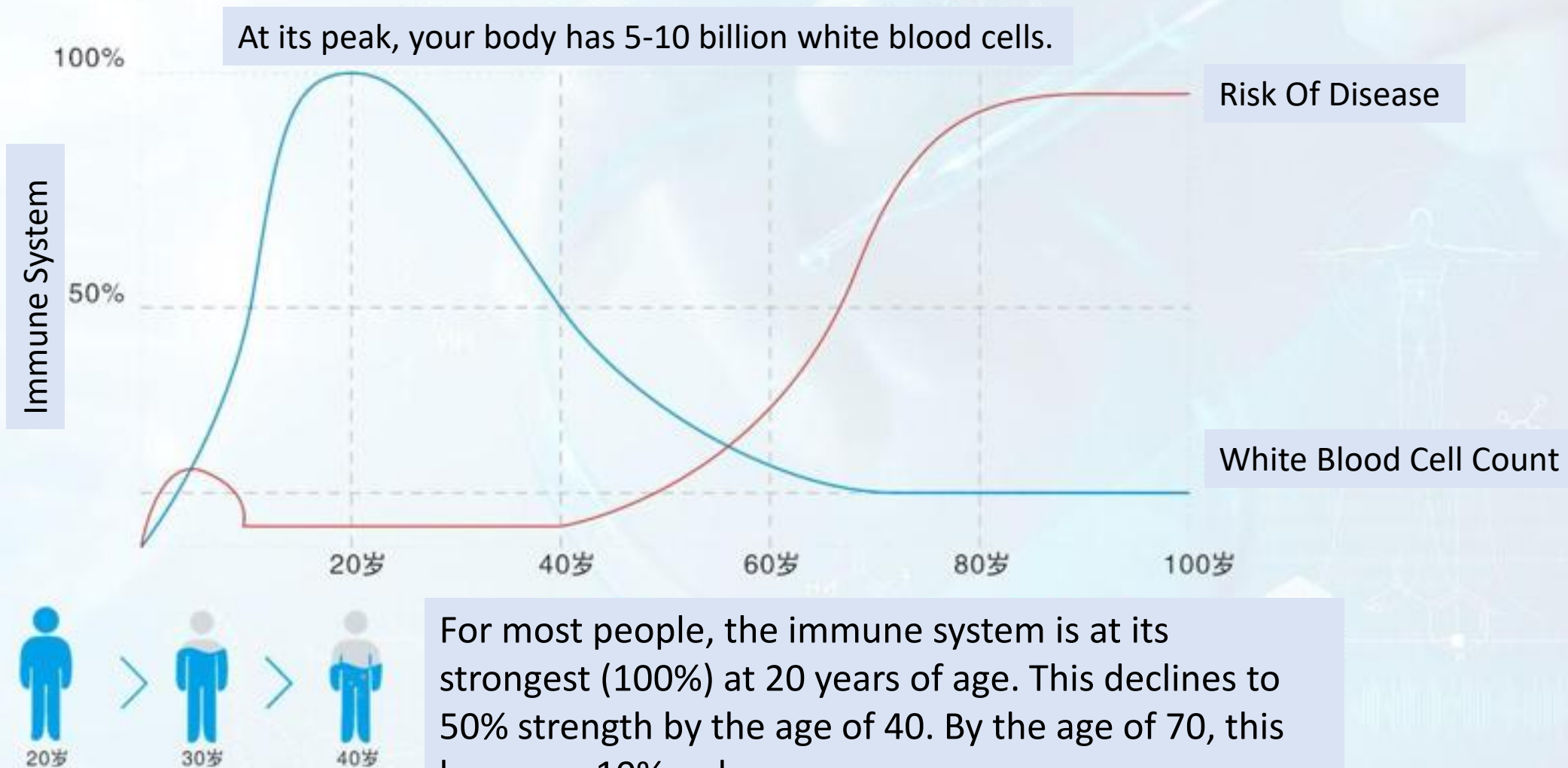
+



'Clean-Up'

De-toxification, Excretion and Expulsion of Everything That Does Not Belong In Your Body

How Your Body's Immune System Deteriorates With Age



The Consequences Of A Weak Immune System

1) Fatigue

Noticeable physical weakness, lack of focus, depression and other mental disorders.

2) Recurring Infections / Repeatedly Falling Ill

Cold, cough, flu, bronchitis, pneumonia, swelling and general pain.

3) Wounds Take A Long Time To Heal

Scratches, cuts, open sores, even rashes or pimples persist for a long time and seemingly do not recover.

4) Digestive System Weakens

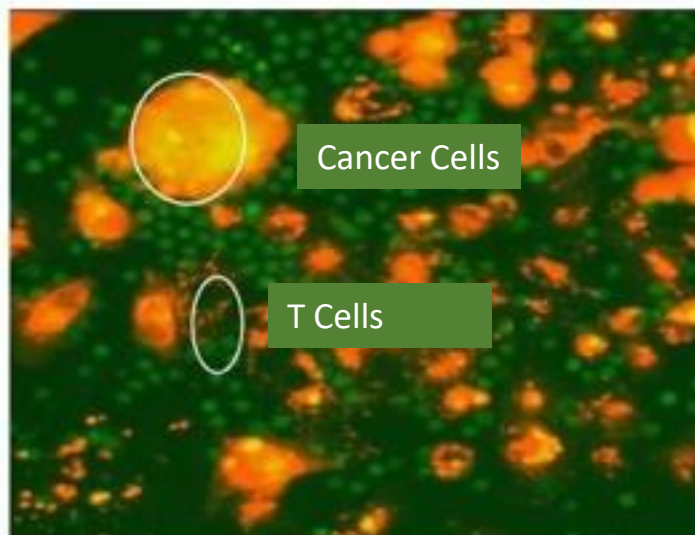
Any deviation in diet, or even if the food is slightly unclean, the digestive system has a huge reaction (i.e vomiting and stomach upset)

5) Deterioration Of The Metabolic System

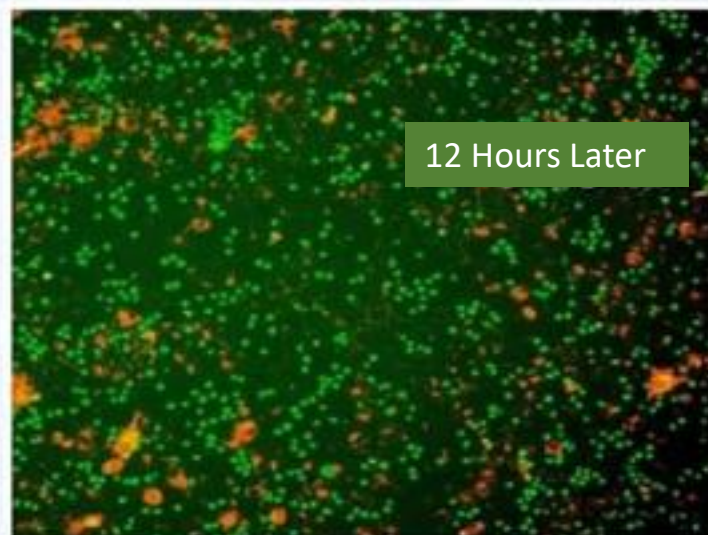
Poor Metabolism leading to all kinds of persistent chronic conditions.



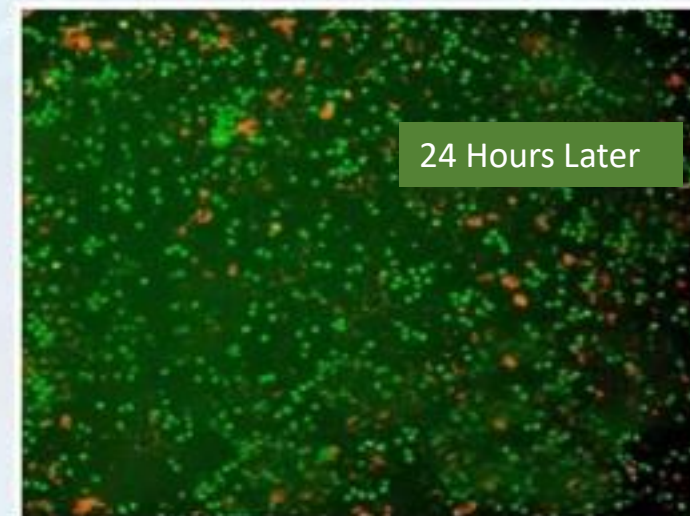
T Cells Acting On Cancer Cells As Observed Under Microscope



T Cells and Cancer Cells
Under Microscope



12 Hours Later: 80% Of
Cancer Cells Eradicated



24 Hours Later: 95% Of
Cancer Cells Eradicated

4 Different Examples Of How White Blood Cells Act On Harmful Bacteria / Viruses / Abnormal or Cancerous Cells

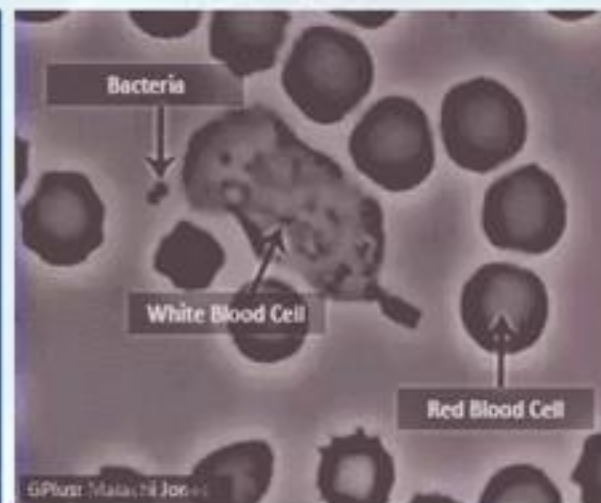
01

White Blood Cells Target And Begin To Act On Foreign Bacteria



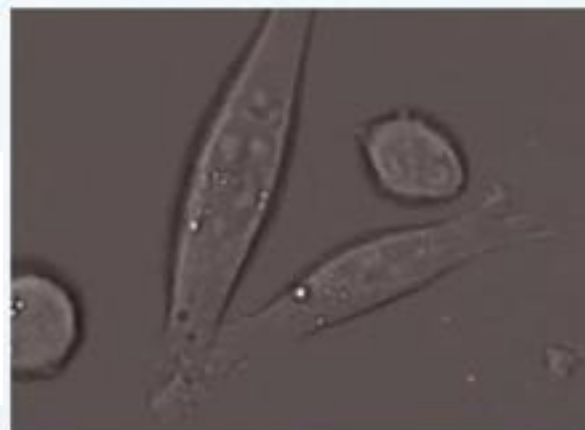
02

Neutrophil White Blood Cells Attack Staphylococcus Aureus Bacteria



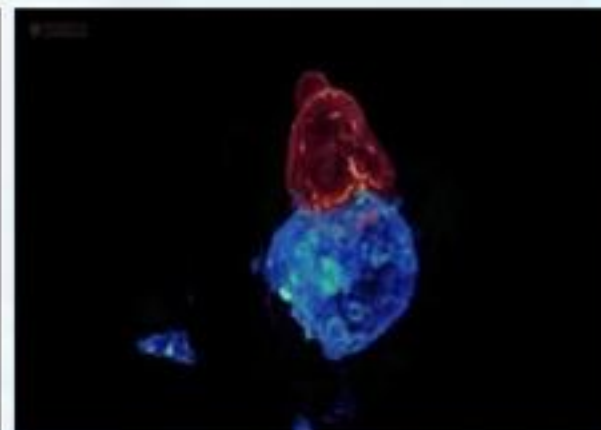
03

T Cells Target And Begin To Act On Abnormal Cells That Might Soon Become Cancerous



04

White Blood Cells Acting On Cancer Cells



Who Will Benefit The Most From T Cells?

Persons With Severe Diseases

Cancer Patients, Hepatitis Patients

At-Risk Persons

Family History Of Certain Diseases, or Indication Of Onset Of Genetic Mutation

Persons Under Heavy Workload

People That Work Long Hours With Inadequate Rest, People That Have Poor Sleep

Persons With Very Unhealthy Lifestyles

Heavy Smokers, Heavy Drinkers, Recovering Drug Addicts

Persons Showings Signs Of Neural Degeneration (Mental Decline)

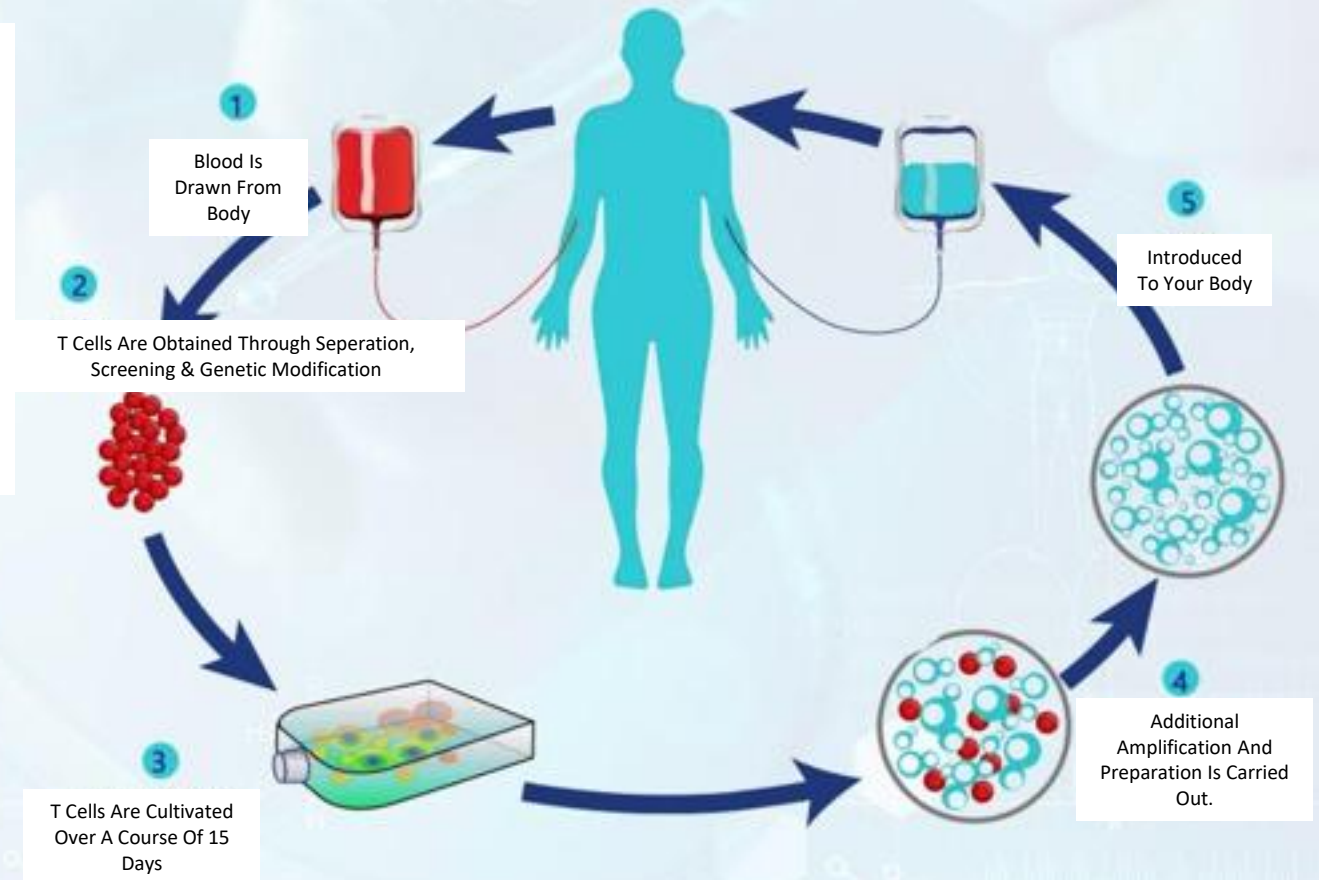
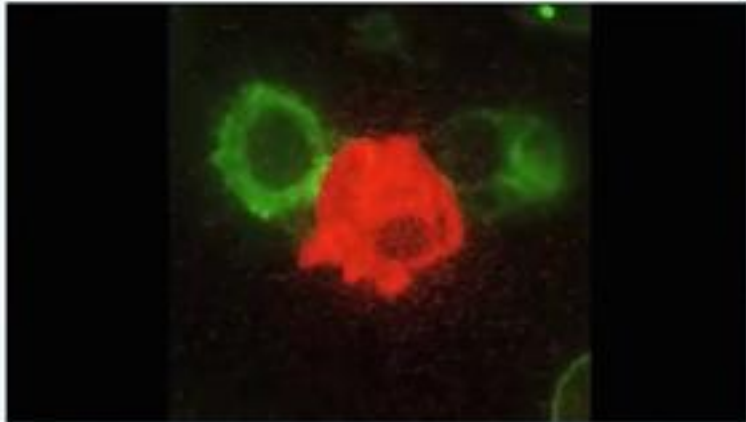
Immunocompromised Persons

People Who Already Have Weak Immune Systems



A Brief Look At How T Cells Are Obtained, And Introduced To Your Body

50-80 ml of blood is extracted from the body, and immune T cells are obtained through separation, screening, and genetic modification in-vitro. After 15 days of culture, amplification, and preparation, when the number of T cells reaches tens of billions, they are re-introduced to the body through intravenous drip.



■ Patient Who Underwent Our Treatment

Mr. Zhou was a patient with cancer in his tongue.

The hospital at which he first sought treatment diagnosed him with advanced stage cancer and gave him a prognosis of no longer than 6 months to live.

His children decided to try CELL LIFE BANK. Mr Zhou underwent treatment here and has survived for more than 8 years.

This picture was taken after his doctor at Xiang Ya hospital grew suspicious and decided to make a trip down to CELL LIFE BANK in person to see for himself.



Case Analysis - Recovery From Hyperlipidemia



广州金域医学检验中心
GUANGZHOU KINGMED CENTER FOR CLINICAL LABORATORY

赛尔生物
CELL BIOLOGICAL

检验结果报告单

标本条码: 0176859799 姓名: 孙❤️ 性别: 女 年龄: 60岁 联系电话: 临床诊断: 血脂异常

科室: 内科 住院/门诊号: 送检标本: 血清 标本情况: 无肉眼可见异常 申请医生: 李天雄 采样时间: 接收时间: 2021-12-17 16:03:05

项目	检测方法	结果	单位	提示	参考区间
甘油三酯(TG)	酶法	7.88	mmol/L	↑	<2.26
胆固醇(CHOL)	胆固醇氧化酶法	5.50	mmol/L	↓	<5.20
高密度脂蛋白胆固醇(HDL-CH)	直接法	0.68	mmol/L	↓	男: >0.90 女: >1.13
低密度脂蛋白胆固醇(LDL-CH)	直接法	2.50	mmol/L		<4.13

因采样时间信息不全, 请结合临床实际情况予以评估。

本检测仅对样本负责, 如采样过程有疑义, 请在报告发出后7天内与我们联系, 逾期不作。

主检: 李天雄 审核: 李天雄 批准: 李天雄 主检实验室: 广州金域

网址: www.kingmed.com.cn 电话: 4001-111-128 地址: 广州市国际生物岛耀康三路10号

收样点: 广东赛尔生物科技有限公司-检验科 报告日期: 2021-12-18 06:27:56

62902W60A22J08X

Ms. Sun: blood lipids

Date: December 17, 2021

Item: Triglyceride (TG)

Cholesterol (CHOL)

Result: 7.88

Result: 5.50

High-density lipoprotein cholesterol (HDL-CH)

Result: 0.68

广州金域医学检验中心
GUANGZHOU KINGMED CENTER FOR CLINICAL LABORATORY

赛尔生物
CELL BIOLOGICAL

检验结果报告单

标本条码: 0176859908 姓名: 孙❤️ 性别: 女 年龄: 61岁 联系电话: 临床诊断: 血脂异常

科室: 内科 住院/门诊号: 送检标本: 血清 标本情况: 无肉眼可见异常 申请医生: 李天雄 采样时间: 接收时间: 2022-03-11 16:48:25

项目	检测方法	结果	单位	提示	参考区间
甘油三酯(TG)	酶法	2.17	mmol/L		<2.26
胆固醇(CHOL)	胆固醇氧化酶法	5.11	mmol/L		<5.20
高密度脂蛋白胆固醇(HDL-CH)	直接法	1.25	mmol/L		男: >0.90 女: >1.13
低密度脂蛋白胆固醇(LDL-CH)	直接法	3.57	mmol/L		<4.13

因采样时间信息不全, 请结合临床实际情况予以评估。

本检测仅对样本负责, 如采样过程有疑义, 请在报告发出后7天内与我们联系, 逾期不作。

主检: 李天雄 审核: 李天雄 批准: 李天雄 主检实验室: 广州金域

网址: www.kingmed.com.cn 电话: 4001-111-128 地址: 广州市国际生物岛耀康三路10号

收样点: 广东赛尔生物科技有限公司-检验科 报告日期: 2022-03-12 07:35:57

62902JFG1036dR

Re-examination, four blood lipids returned to normal levels

Date: March 11, 2022

Item: Triglyceride (TG)

Result: 2.17

Cholesterol (CHOL)

High-density lipoprotein cholesterol (HDL-CH)

Result: 5.11

Result: 1.25

Case Analysis - Recovery From HPV, Recovery From Hepatitis B



Ms. Zhang:

August 9, 2021, HPV:53 high-risk **positive**

After T Cell treatment:

December 1, 2021, HPV: 53 high risk **negative**

Mr. Liu:

April 16, 2022, Hepatitis B: **Positive**

After T Cell Treatment:

November 9, 2022, liver recovery: **negative**

体检项目名称

姓名

健康体检报告

HPV基因分型及宫颈细胞学检查

检测单位：东莞市东城医院体检中心（门诊部）

主检

单位名称

东城综合办

姓名

性别

年龄

35

身份证号

441505741

采样时间

2021/08/11 10:17

HPV 32(高危型)

阴性

HPV 33(高危型)

阴性

HPV 36(高危型)

阴性

HPV 38(高危型)

阴性

HPV 39(高危型)

阴性

HPV 45(高危型)

阴性

HPV 51(高危型)

阴性

HPV 52(高危型)

阴性

HPV 56(高危型)

阴性

【最新权威定论(CEA)】

广州华银医学检验中心

Guangzhou Huayin Medical Laboratory Center

检验报告单

报告编号: 00000000000000000000

报告编号: 1234567890123456

		广州金域医学检验中心 GUANGZHOU KINGMED CENTER FOR CLINICAL LABORATORY		检验结果报告单	
标本来源	赛尔生物 Cell-Engineering	医院	广东赛尔生物科技有限公司	实验号	PTB0018
姓名	曹尔德	科室		送检标本	血清
性别	男	住院/门诊号		标本情况	无内部可见异常
年龄	60岁	病区/床号		采样时间	
联系电话		申请医生	李天翔	接收时间	2022-05-16 16:58:14
临床诊断		医嘱标识			
项目	检测方法	结果	备注	提示	参考范围
乙肝两对半定性					
乙型肝炎病毒表面抗原 (HBsAg)	ELISA法	阳性 (+)			阴性 (-)
乙型肝炎病毒表面抗体 (HBsAb)	ELISA法	阴性 (-)			阴性 (-)
乙型肝炎病毒e抗原 (HBeAg)	ELISA法	阴性 (-)			阴性 (-)
乙型肝炎病毒e抗体 (HBeAb)	ELISA法	阳性 (+)			阴性 (-)
乙型肝炎病毒核心抗体 (HBcAb)	ELISA法	阳性 (+)			阴性 (-)
  广州金域医学检验中心 KINGMED CENTER FOR CLINICAL LABORATORY					
检验结果报告单					
标本来源	6858123433	医院	广东赛尔生物科技有限公司	实验号	YH220
姓名	曹尔德	科室		送检标本	血清
性别	男	住院/门诊号		标本情况	无内部可见异常
年龄	61岁	病区/床号		采样时间	
联系电话		申请医生	黄东源	接收时间	2022-11-09 14:58:02
临床诊断		医嘱标识			
项目	检测方法	结果	备注	提示	参考范围
乙肝两对半定性					
乙型肝炎病毒表面抗原 (HBsAg)	ELISA法	阴性 (-)			阴性 (-)
乙型肝炎病毒表面抗体 (HBsAb)	ELISA法	阴性 (-)			阴性 (-)
乙型肝炎病毒e抗原 (HBeAg)	ELISA法	阴性 (-)			阴性 (-)
乙型肝炎病毒e抗体 (HBeAb)	ELISA法	阳性 (+)			阴性 (-)
乙型肝炎病毒核心抗体 (HBcAb)	ELISA法	阳性 (+)			阴性 (-)
建议与解释: 该系列两对半结果已经复查, 建议采用化学发光法再次复查。					

Case Analysis – Inflammation In Both Lungs



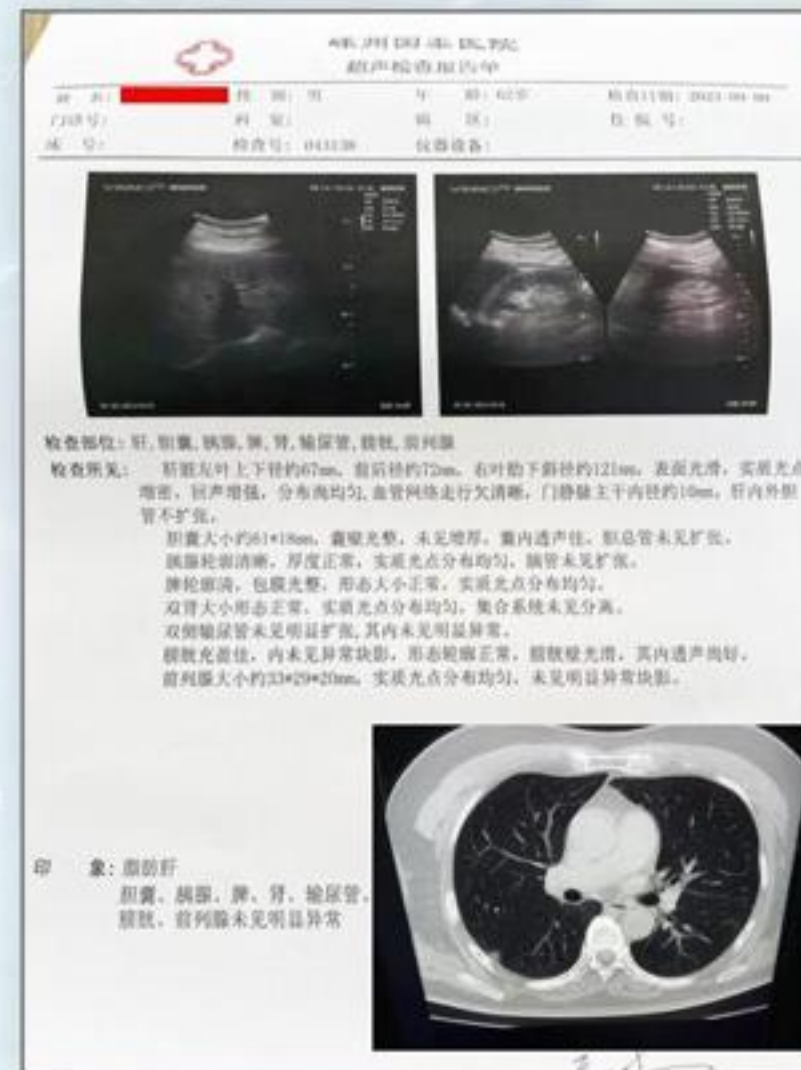
Date: May 31, 2023

Imaging diagnosis: **multiple inflammatory lesions in both lungs**



Date: September 9, 2023

Image diagnosis: **A few inflammatory lesions in both lungs, significantly recovered compared to the previous imaging diagnosis.**



Mr. Guo

Diagnosed in 2018: Liver Cancer

After regular T Cell therapy, he has been cancer-free for 7 years.





广州金域医学检验中心
GUANGZHOU KINGMED CENTER FOR CLINICAL LABORATORY

本报告书仅对电子版有效

检验结果报告单

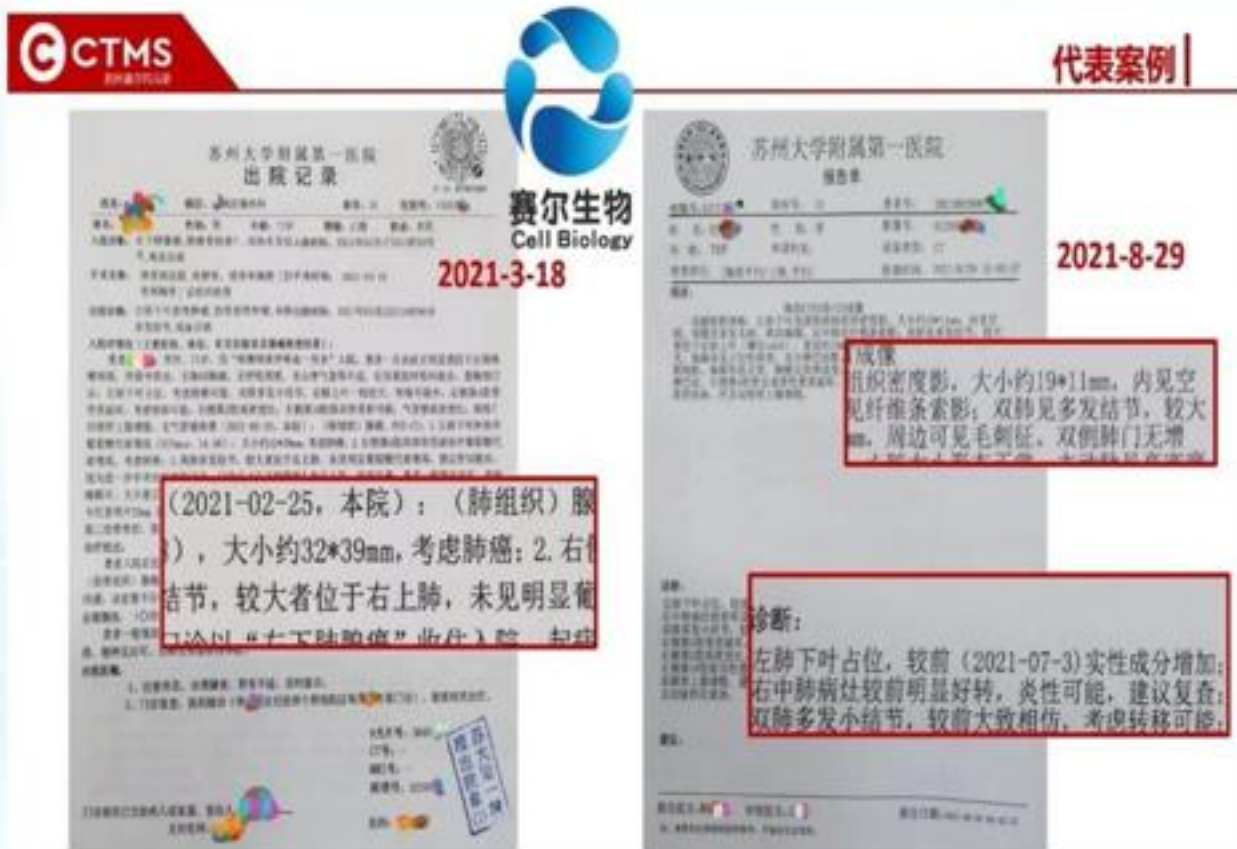
标本号: KJ0001198-00	科室: 东莞市妇幼保健院-产科	送检号: 1000209	
姓名: 李	性别: 女	送检标本: 血清	
年龄: 34岁	住院号: 12345	临床诊断: 宫内胎儿发育不良	
联系电话:	申请医生: 李光前	采样时间: 2020-09-10 20:10:34	
临床诊断:	检验项目:	接收日期:	
第一号:	检测项目:	组别:	备注:
产前筛查结果			
中唐唐筛(TSP1)	测试方法: 荧光法	结果: 0.05	参考范围: 1-100.00
唐氏综合征(TSP2)	测试方法: 荧光法	结果: 0.10	参考范围: 1-100.00
神经管蛋白(TSP3)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP4)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP5)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP6)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP7)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP8)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP9)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP10)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP11)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP12)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP13)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP14)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP15)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP16)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP17)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP18)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
神经管蛋白(TSP19)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00
唐氏综合征(TSP20)	测试方法: 荧光法	结果: 1.10	参考范围: 1-100.00

备注: 本报告书仅对电子版有效。如有疑问，请联系检验科。本报告书仅供参考，不作为临床诊断依据。如有疑问，请联系检验科。本报告书仅供参考，不作为临床诊断依据。

 广州金域医学检验中心 GUANGZHOU KINGMED CENTER FOR CLINICAL LABORATORY		检验结果报告单	
标本号: 0603120012	医院: 广东康华生物制药有限公司	检测号: 000100	
姓名: 廖	科室: 住院/门诊号	检测标本: 血清	
年龄: 56岁	性别: 男	检测项目: 乙肝两对半	
联系电话:	申请医生: 廖永强	采样时间:	
临床诊断:	检测日期: 2012-11-17 16:11:03		
项目	检测单位	结果	参考范围
乙肝表面抗原(HBsAg)	酶免疫发光法	3.40	ng/mL <20.00
乙肝表面抗体(HBsAb)	酶免疫发光法	2.35	ng/mL 0.5-100
乙肝核心抗体(HBcAb)	酶免疫发光法	11.30	U/mL <10.00
乙肝核心抗原(HBcAg)	酶免疫发光法	0.11	U/mL <10.00
乙肝病毒DNA(HBeAg/HBVDNA)	酶免疫发光法	3.80	ng/mL 0.5-100
丙型肝炎抗体(抗HCV) 半定量	酶免疫发光法	0.24	ng/mL <1.00
丙型肝炎病毒核酸(HCV RNA)	酶免疫发光法	17.73	ng/mL <20.00
乙肝表面抗体(HBsAb)	酶免疫发光法	0.20	U/mL <10.00
乙肝表面抗体(HBsAb) IgG	酶免疫发光法	0.22	ng/mL 0.5-100
乙肝表面抗体(HBsAb) IgG	酶免疫发光法	1.10	ng/mL 0.5-100
HBsAg/HBsAb比值	比值法	0.34	0.20-1
乙肝抗体 (S/T)	酶免疫发光法	2.30	U/mL <10.00
乙肝抗体 (S)	酶免疫发光法	10.37	U/mL <10.00

Mr. F

TCEL



Ms. C

TCEL,



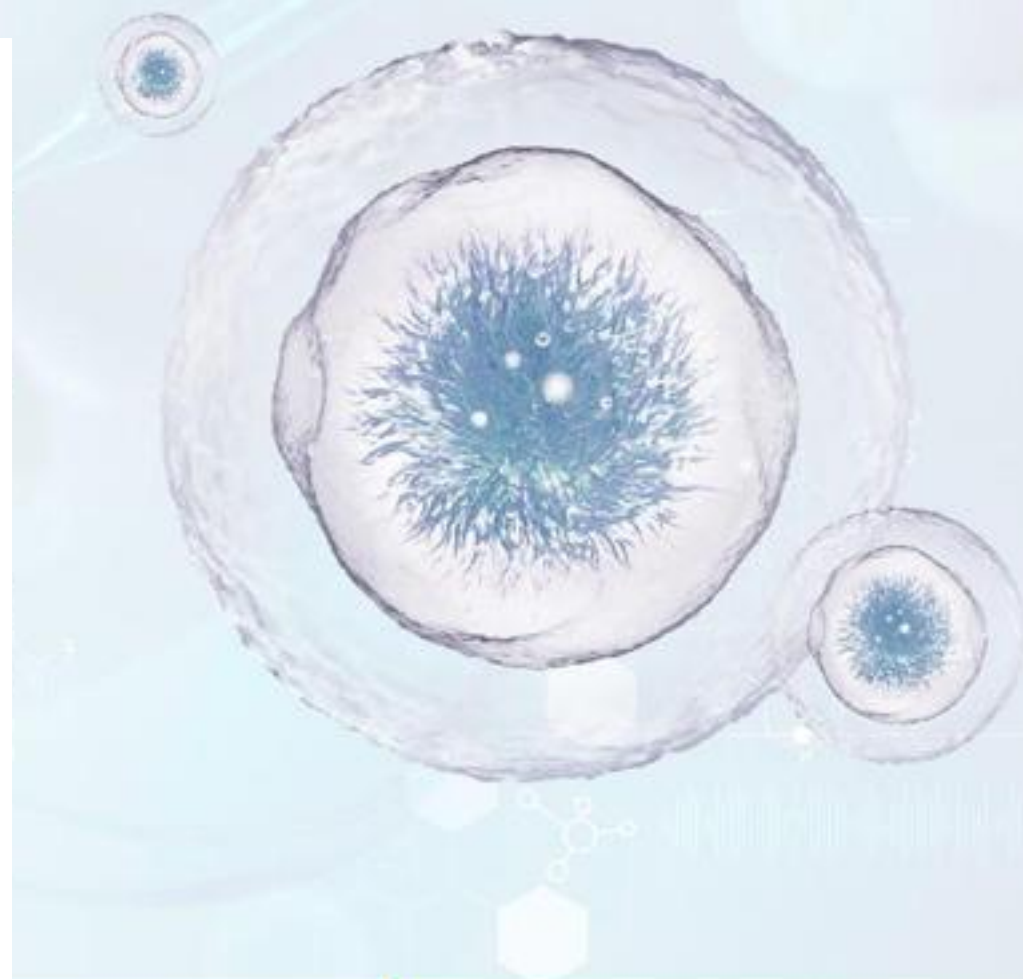
MSEL – Endometrial Stem Cells

Menstrual Blood-deprived Stem Cells

Cell LIFE BANK has cooperated with the world's top biotechnology research and development institutions to develop MSEL endometrial stem cells, the full name of which is MENSTRUAL BLOOD-DEPRIVED STEM CELLS.

MSEL is extracted from a small amount of female menstrual blood, and after separation, purification, culture, embryonic transformation and other processes, it is finally obtained as a pluripotent stem cell with strong proliferation ability, no chromosome mutation, and no tumor occurrence.

Compared with other stem cells, endometrial stem cells are greater in number, 30 times that of bone marrow stem cells, and have great differentiation potential and strong in-vitro proliferation ability. The collection method is simple, safe, painless and risk-free.



Fertility Issues Faced By Women

- Amenorrhea

No menstruation for more than 6 months, but a certain number of follicles are still maintained in the ovaries

- Endometrial Wall Damage

Multiple caesarean sections or trauma can cause scarring of the endometrial wall.

- Menopause

- Thin endometrium

If the endometrium of women of childbearing age is less than 4mm, Implantation of fertilized eggs is difficult and there is high likelihood of miscarriage.

- Endocrine Dysfunction

Irregular menstruation, dysmenorrhea, short menstruation, prolonged menstruation.

- Injurious Infertility

Previous heavy drug or medication use, and previous cases of improper abortion can lead to endometrial damage.





Difficulties Faced By Women – Premature Ovarian Failure



- Ovaries

The ovaries play a very important role in a woman's life. From puberty to menopause, the ovaries undergo periodic changes in morphology and function. When a woman comes of age, the estrogen and progesterone secreted by the ovaries will cause menstruation. At the same time, estrogen can promote the development of and maintain the function of female reproductive organs and secondary sexual characteristics.

95%

or more cases of cancer in women is closely related to micro-menopause which is, in turn, closely related to the aging of the reproductive system.

- Ovarian Aging

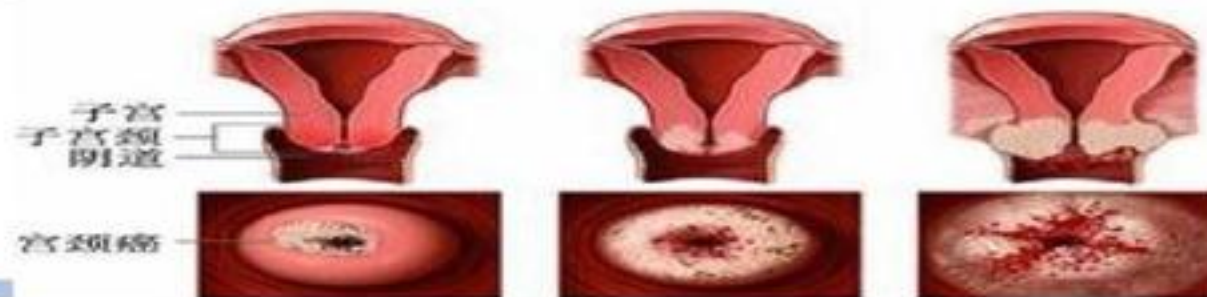
Generally speaking, female ovarian function begins to decline at the age of 45 to 50. If there are signs of decline before the age of 40, it is medically called premature functional decline, which includes abnormal menarche, amenorrhea before the age of 40, high gonadotropin, low estrogen, and no follicles in ovarian biopsy. Clinical manifestations are accompanied by varying degrees of pre- and post-menopausal symptoms such as hot flashes, sweating, vaginal dryness, and decreased libido, which make patients age prematurely and bring pain to their physical and mental health and married life.

28%

of women today show signs of premature Ovarian Aging

MSEL – MSEL Stem Cell Application

- Whether it is premature ovarian failure or endometrial damage, it has detrimental effects on women.
- Due to the special structure of the ovaries and uterus, generic drug treatment has little effect, and there is no specific drug to treat premature ovarian failure.
- Only stem cell technology intervention can produce a large number of ovarian stromal cells and keep the ovaries in optimal condition.



Pathway of MSEL (Endometrial Stem Cells) to ovarian tissue



1. Stem cells can localise in the ovaries, hone in on the damaged parts and differentiate into ovarian epithelial cells, follicle cells, etc., partially compensating or replacing their functions.



2. A variety of Cytokines can be secreted to protect reproductive cells from apoptosis and DNA damage, promote the renewal of reproductive stem cells, and restore ovarian function.



3. Promote the self-repair of damaged tissues through immune regulation.



4. Any damaged ovaries are protected by repairing the ovarian stroma and preventing ovarian fibrosis.



5. MSELs reach damaged parts, differentiate into some vascular endothelial cells, provide nutritional support; improve the ovarian follicle-stimulating hormone microenvironment, restore the function of damaged ovaries, and improve reproductive health.



6. Prevent follicular atresia, promote follicle renewal, and enhance reproductive capacity.





MSEL - What Are The Effects?



1. Reproductive System 'Self-Renewal Metabolism'

Repair and regulate the four major female organs: uterus, ovary, breast, and pituitary gland, and activate their functions to prevent lesions and cancer.

2. Help Reverse Female Organ Dysfunction

It can repair the endometrium, reverse premature ovarian failure, warm the uterus, reduce inflammation, regulate menstruation, stop leucorrhea, regulate dysmenorrhea and other menstrual discomforts, and reshape the breasts.

5 Effects Of Using MSEL

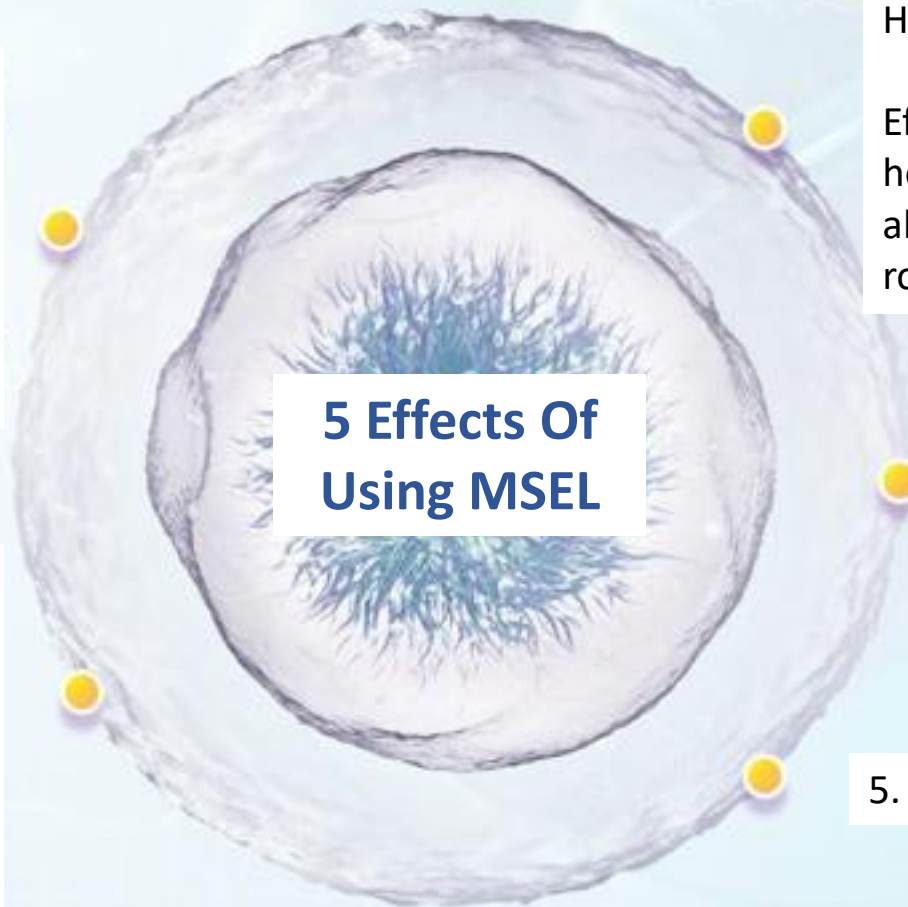
3. Regulate Female Hormones And Hormone Levels

Effectively regulate female hormones and hormone levels, delay menopause, and alleviate menopausal syndrome from the root.

4. Comprehensively Delay Aging

Effectively beautify the skin, maintain the youthfulness of women, and rejuvenate the functions of female organs.

5. Improve the quality of life for both sexes





MSEL – Double Patented Core Technology



a: Primarily isolated cells



b: Primary cell colony

Figure 1 Morphology of primarily cultured menstrublood-derived mesenchyma stem cell ($\times 100$)

图 1 原代培养的经血源性间充质干细胞($\times 100$)



a: Culture for 3 d



b: Culture for 5 d

Figure 2 Morphology of the third passage of subcultured menstrual blood-derived mesenchymal stem cells ($\times 100$)

图 2 传代培养的第 3 代经血源性间充质干细胞形态($\times 100$)



Figure 3 The third passage of closed monostratal menstrual blood-derived mesenchymal stem cells ($\times 100$)

图 3 紧密单层的第 3 代经血源性间充质干细胞($\times 100$)



Figure 4 The seventh passage of menstrual blood-derived mesenchymal stem cells following thawing the cryopreservation ($\times 100$)

图 4 复苏后的第 7 代经血源性间充质干细胞($\times 100$)

- Purcell Bio Inc published the first paper on endometrial stem cells.
- The number of these stem cells is 30 times that of bone marrow stem cells.

Case Analysis: Asel + Msel: Restoring menstruation and ovarian repair to treat infertility



Ms. Zhang from Shenzhen:

47 years old, amenorrhea for two years, after ASEL + MSEL combined treatment, menopausal symptoms disappeared, menstruation resumed, mature follicles were discharged, the nearly 50-year-old Ms. Zhang successfully became pregnant after 2 years.

Case Analysis



Ms Zhao from Kun Ming



Ms Wu from Beijing



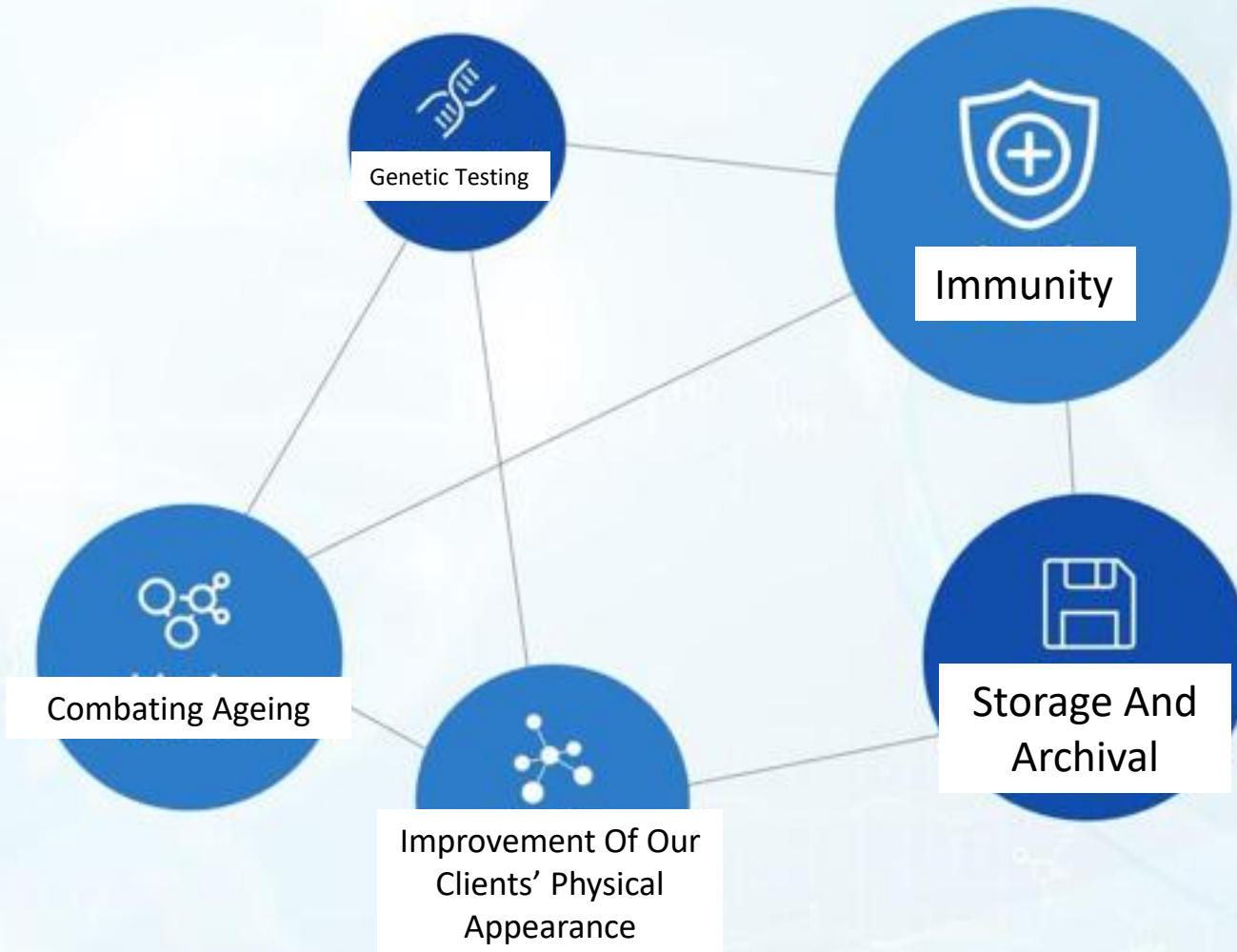
Ms Huang from Guang
Zhou



为什么选择赛尔集团?

Why Choose Us?

CELL LIFE BANK



Sustainable, Precise, Safe and Effective

The Shandong Red Cross Interventional Hospital, a subsidiary of the Cell Group, was established in 1999. Since 2003, it has been conducting research on Stem Cell and T Cell technologies, providing more possibilities for the development of domestic regenerative medicine and the application of stem cell technology in multiple fields, bringing more benefits to human health.

COMPANY PROFILE



CELL LIFE BANK has been conducting cell clinical research and transformation for 25 years. Its clinical transformation is fully distributed in cooperative medical institutions, clinical transformation bases, and directly affiliated branches across the country.

A total of more than 100,000 cases have been completed, covering anti-aging, chronic disease management, disease intervention, and clinical innovative treatment projects with an effectiveness rate of 93%, a safety rate of 99%, and zero safety accidents.



Our Founder



Dr. Wang Taihua

Chairman, Founder

The father of stem cell clinical application in China

Director of China Pharmaceutical Biotechnology Association

Director of China Neural Stem Cell Transplantation Treatment Center

Director of Shandong Red Cross Intervention Hospital

Royal Danish Postdoctoral Fellow in Medicine

American Cancer Society Member

Member of the American Anti-Aging Association

Our Founder

Awarded to: Guangdong Cell Biotechnology Co.,
Ltd.

Chairman Wang Taihua

WICHPDF Global Health Ambassador

September 1, 2024, New York City, USA———
———The World Intangible Cultural Heritage
Protection and Development Foundation
(WICHPDF) announced a major appointment: Dr.
Wang Taihua, Chairman of Guangdong Saier
Biotechnology Co., Ltd., was officially appointed
as the WICHPDF Global Health Ambassador.



Our International R&D Team



Thomas C. Südhof

Chief Scientist

Professor of the Department of Molecular and Cellular Physiology and Professor of Neurosurgery at Stanford University, USA. Member of the National Academy of Sciences of the United States, and has published more than 240 top international papers.

Won the Nobel Prize in Physiology or Medicine in 2013.



Academician Wang Yutian

Fellow of the Royal Society of Canada. Lifetime Professor of the Brain Research Center at the University of British Columbia, Canada. Internationally renowned neurobiologist. More than 15 top academic papers. Has received many awards from the Canadian federal and Ontario governments. He is the first Chinese to receive the Howard Hughes Medical Institute International Honor Award.



Academician Wang Rui

Fellow of the Canadian Academy of Medical Sciences, Fellow of the Royal Society of Canada, Dean of the Faculty of Science at York University, Canada. Cardiovascular physiologist and international leader in the study of the physiological functions of gaseous transmitters, published more than 280 SCI papers, and invited to give more than 160 reports and speeches around the world.



Dr. Li Zhengdao

A well-known expert in the field of international immunohematology, a bone marrow transplant matching expert, a stem cell clinical laboratory expert, an honorary professor of dozens of well-known hospitals and medical schools such as Peking Union Medical College, and is known as the "Father of Serum" in the medical community.



Marius Wenig

Associate Professor of Pathology at the Stanford Institute for Stem Cell Biology and Regenerative Medicine.



Sean J. Morrison

Professor and Director of the UT Southwestern Medical Research Center and Project Leader of the Hamon Stem Cell and Cancer Biology Laboratory.



Zhang Gang

Postdoctoral fellow, Department of Cell and Systems Biology, University of Toronto; Assistant Professor, Division of Nephrology, Massachusetts General Hospital, Harvard Medical School; Senior Investigator, RRED HUTCHINSON Cancer Research Center



Yaacov Ben-David

Professor at the University of Toronto, a distinguished expert of the "Foreign Experts Thousand Talents Program". He is the first scholar in the world to discover flt-1, the main oncogene that causes leukemia.



Vincent Giampapa

Nominated for the 2014 Nobel Prize. Founding member and first president of the American Society of Anti-Aging Medicine, and served as a full-time nutrition consultant for NASA.

National Standardization Filing and Underwriting by PICC



National standardization registration enterprise

Stem cell and immune cell production,
preparation and quality control technology
standard filing company



PICC cooperative enterprise

Treatments are insured by the
People's Insurance Company of China



平安 Health Cooperation Enterprise

Purcell Group and 平安 Healthcare have
reached a strategic partnership



CELL LIFE BANK participates in the formulation of industry standards



The formulation of cell industry standards for many consecutive years - 16 projects.

Human induced pluripotent stem cell-derived mesenchymal stem cells

Preparation and Quality Appraisal Specifications

Safety management specifications for the separation, preparation and storage of immune cells

Preparation and quality control specifications of invariant natural killer T (iNKT cell preparations).

Umbilical cord mesenchymal stem cell preparation and quality control specifications.

Specification for preparation and release inspection of human natural killer cell preparations

Part 2: Storage Specifications for Menstrual Blood-Derived Endometrial Stem Cell Resources

Isolation, processing and storage of endometrial stem cells



Dr. Wang Taihua was invited by Academician Zhong Nanshan to develop stem cell industry standards

After 25 years of scientific research, he won 150+ patent certificates





National Laboratory

According to CFDA drug declaration, a large number of animal experiments are carried out in national laboratories and units. Complete pharmaceutical and experiment reports are available, and the project has passed long-term and short-term toxicity tests, tumorigenicity function tests and other verifications.



National Laboratory

Nearly 20 cell center laboratories that meet national GMP standards



Photo Gallery

深圳赛尔托马斯实验室 与北大深圳医院顺利签约



2018年深圳赛尔托马斯实验室已与北大深圳医院顺利签约，托马斯也将定期到深圳托马斯细胞工程实验室进行科研指导与交流

佛山中科院技术研究院 佛山妇幼保健院签约



2020年赛尔集团与佛山中科院产业技术研究院佛山妇幼保健院合作签约成功

淄博世博高新医院 战略合作签约仪式



2022年赛尔集团与淄博世博高新医院签署战略合作协议

海南慈铭博鳌国际医院 战略合作签约仪式



2023年赛尔集团与海南医学院附属第一医院乐城医院(慈铭博鳌国际医院)签署战略合作协议

Photo Gallery

山东自贸试验区和海南自贸港签约



2023年赛尔集团与山东自贸试验区、海南自由贸易港开展细胞治疗领域联动创新合作签约仪式

加拿大约克大学实验室签约仪式



2023年王泰华博士代表赛尔生物集团与加拿大约克大学缔结科研合作

深圳市第三人民医院战略合作签约仪式



2024年赛尔集团与深圳市第三人民医院签署战略合作协议

Photo Gallery

泰国吞武里医院集团
战略合作签约仪式



2024年赛尔集团与泰国最大的医疗集团
泰国吞武里医院集团签署战略合作协议

日本东都大学医疗集团
战略合作签约仪式



2024年赛尔集团与日本最大的综合性
医疗企业日本东都大学医疗集团
签署战略合作协议

美国特斯拉医学康复中心和加拿大著名
医疗机构战略合作签约仪式



2024年9月赛尔集团作为中国的企业代表，
与美国特斯拉医学康复中心、加拿大著名医
疗机构在宾夕法尼亚州签署合作协议

Photo Gallery



王泰华博士与卫生部副部长何界生女士
在08北京干细胞会议



中华医学会常务副会长、吴阶平基金会副会长肖梓仁教授
参加由我院在京举办的干细胞学术峰会



王院和吴祖泽院士在07青岛干细胞会议



各国专家参加由我院在京举办的
ASEL干细胞学术会议



美国专家及解放军总医院保健科教授参加
由我院在青岛举办的国际干细胞学术会议



王泰华博士与陈赛娟院士在08北京干细胞会议

Photo Gallery



王泰华博士与美国纳斯达克上市干细胞公司
Neostem总裁Robin Smith



王泰华博士与钟南山院士参加学术研讨会



王泰华博士与美国抗衰老主席及著名整形外科教授



王泰华博士与原卫生部副部长彭玉女士
在07青岛干细胞会议



2018年4月王泰华博士与世界干细胞之父
哈佛大学医学院院长George Daley学术交流。



2018年3月王泰华博士与2013年诺贝尔奖获得者美国斯
坦福大学教授托马斯·德霍夫签订战略合作

Photo Gallery



2017年赛尔集团于东莞举办的
国际干细胞峰会



2018年赛尔在北京举办的
“生物科技与转化医学国际高峰论坛”



2018年深圳市投资推广
唯一——家干细胞企业



2020年赛尔集团
八周年创新技术发布会



2022年赛尔集团十周年于东莞举办的生命科学国际论坛
与技术发布会



2023年赛尔集团于东莞举办的
“国际生命科学创新论坛”



Thank You !