启载生物
QIZAI BIOTECHNOLOGY

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启载生物
QIZAI BIOTECHNOLOGY

自体组织储存中心

Autologous Tissue Bank

- 自体颅骨移植标准启动者
  The initiator of autologous cranium transplantation
- 自体颅骨组织库行业领军者
  The leader of autologous cranium bank
- 自体颅骨去内毒素工艺开拓者
  The pioneer of autologous cranium endotoxin free technology
- 自体颅骨组织库团体标准制定者
  The drafter of autologous cranium bank

启载生物科技（成都）有限公司

01

COMPANY PROFILE

公司简介

2 项
发明专利

12 项
实用新型专利

11 项
计算机软件著作权

造福患者 共创健康未来

启载生物成立于2017年，聚焦于组织修复再生领域，本着以患者为中心的理念，洞察临床未被满足的需求，不断深入探索和研究，成为国内最早从事自体颅骨收集、处理和储存的企业。经过长足发展，启载生物将致力于打造亚洲最大自体组织储存中心，以“为组织修复再生领域贡献力量”为终身使命，以“诚信、温暖、专业”为核心价值观，为人类健康事业保驾护航。

在大健康的新环境下，启载生物将继续秉承“造福患者、共创健康未来”的使命，为自体颅骨领域的发展贡献更多力量。

Founded in 2017, Qizai Biotech specializes in the realm of tissue repair and regeneration, embracing a patient-centric approach and a profound understanding of unaddressed clinical necessities. Through relentless and profound exploration and research, the company has emerged as the pioneering enterprise in China dedicated to the collection, processing, and storage of autologous skulls. Amidst its rapid progression, Qizai Biotech is steadfast in its commitment to establish the largest autologous tissue storage center in Asia, guided by a lifelong aspiration to "contribute significantly to the advancement of tissue repair and regeneration" and upheld by core values that encompass "integrity, warmth, and professionalism, escorting the cause of human health." In the evolving landscape of healthcare, Qizai Biotech remains resolute in upholding its mission: "Benefiting patients and co-creating a healthy future." It strives to make even greater contributions to the development of autologous skull technology, thereby enhancing the quality of life for patients worldwide.

学术研究合作单位

02

THREE MAJOR INNOVATIONS

三大创新

启载 · 自体组织储存中心
不仅有实力，更有创新

QIZAI · Autologous Tissue Bank
A Beacon of Strength, Innovation, and Beyond

我们的创新从未止步，以客户需求为导向，
提供专属储存方案，不断为组织修复再生领域贡献力量！

We are relentless in our pursuit of innovation, steadfastly customer-centric, and committed to offering unparalleled storage solutions. Continuously, we strive to make meaningful contributions to the ever-evolving field of tissue repair and regeneration.

自体颅骨组织库
Autologous cranium bank
CIRA

制定团体标准
Development of group standards

2022年，起草并制定了行业内第一部相关标准，《自体颅骨组织库》团体标准，该标准获得了国家、行业和临床专家一致认可。

In 2022, a pivotal milestone was achieved within the industry with the drafting and formulation of the inaugural relevant standard, the "Autologous Cranium Bank" Group Standard. This groundbreaking initiative has garnered unanimous recognition from esteemed national, industry, and clinical experts alike, marking a significant advancement in the field.

内毒素工艺与保险保障系统
Endotoxin free process and insurance protection system

2023年，发布全球全国首创自体颅骨去内毒素工艺，树立强大的行业技术壁垒。并在全国率先与平安达成战略合作，首创自体颅骨保险保障系统。

In 2023, we proudly unveiled the world's premier autologous skull endotoxin free processing technology, successfully erecting a formidable technical barrier within the industry. This pioneering achievement marked our inaugural strategic collaboration with Ping An, ushering in a novel era of autologous skull insurance protection systems.

保障项目	责任说明	保额
手术意外身故残疾	住院期间发生术后 30 日内因手术意外或麻醉意外导致身故残疾	1 万元
颅骨重度吸收	被保险人行颅骨修补术/颅骨回植术后 730 天内，因吸收原因导致异体材料修补	7 万元
回植术后感染	自体颅骨修补术/自体颅骨回植术后 45 天内，因感染原因取出已经回植的自体骨瓣	2 万元

启动新标准
Launch of the new standard

2024年，启动《自体颅骨移植标准》制定工作。

In 2024, we launched the seminal "Autologous Cranium Transplantation" standard, setting a new benchmark in the field.

03

PROJECT PROCESS

项目流程

1 一期手术 摘除颅骨瓣

2 患者筛选

3 签署《知情同意书》

4 独特工艺处理

5 各项检测

6 合格出库

7 发回医院

8 回植手术

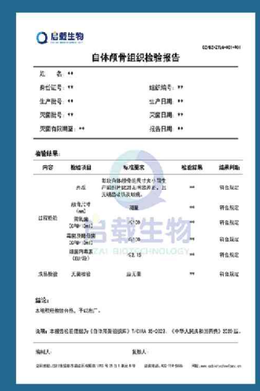
04

PROJECT INFORMATION

项目资料

采用无菌包装，结合Recran ™ 追溯系统，并提供专业的检测报告，以确保专业处理和储存服务，为用户带来卓越的体验。

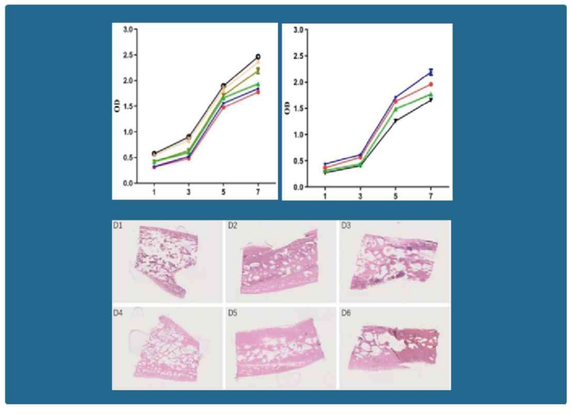
Our services encapsulate aseptic packaging, seamlessly integrated with the Recran traceability system, complemented by meticulous professional test reports. This h-olistic approach ensures unparalleled processing and storage services, ultimately delivering an exceptional user experience.



05

THEORY AND PRACTICE

理论实践



动物实验
Animal Experiments

上图为动物实验颅骨回植成骨峰值；下图为动物实验骨瓣病理切片。

The figure depicted above illustrates the peak osteogenic potential of skull gyration in animal experiments, while the image below showcases the pathological section of the bone flap from the same animal experiments.

处理过程记录
Records of the process

上图为专业技术处理前的颅骨骨瓣状态；下图为专业技术处理后的颅骨骨瓣状态。

The image above showcases the initial state of the skullbone flap prior to undergoing professional technical treatment, whereas the photograph below depicts its condition subsequent to the application of such specialized treatment.

项目推广
Marketing promotion

积极参与多次学术会议；开设《启载大讲堂》邀请多位神经外科领域的权威专家进行线上讲解；搭配Recran ™ 系统，实现多元化、数字化管理。

We actively participated in numerous academic conferences, initiating the "Qizai Lecture Hall" which welcomed esteemed neurosurgical experts for insightful online presentations. Leveraging the Recran system, we have achieved a sophisticated level of diversified and digital management.

专家共识
Expert consensus

《创伤性颅骨缺损成形术中国专家共识》专家推荐：“提倡自体颅骨保存再植入”。

The expert recommendation outlined in the "Chinese Expert Consensus on Traumatic Skull Defect Plasty" emphatically advocates for the preservation and subsequent reimplantation of autologous skull fragments.

06

VIDEO MANIPULATION

视频操作

为组织修复再生领域贡献力量！

CONTRIBUTE TO THE FIELD OF TISSUE REPAIR AND REGENERATION !

扫码观看视频

颅骨收取视频

学习专业操作

颅骨回植视频