



精子活力液

型号规格：C013-1 1mL×2

标识解释

	过滤灭菌
	生产批号
	生产日期
	有效期
	储存温度
	避光

注意事项和警告

1. 在使用该产品进行操作前，使用者应阅读和理解使用方法、注意事项，并掌握正确的使用程序。
2. 本产品不能用于注射。
3. 本产品为无菌产品，不适用于再次灭菌。
4. 如果出现下列情况，请勿使用本产品：
 - 产品包装出现损坏，或封印已经损毁。
 - 产品已经超过保质期。
 - 产品已经变色、浑浊，或出现颗粒状物质。
5. 本产品含硫酸庆大霉素。应当采取适当预防措施，确保患者对该抗生素无过敏反应。
6. 为避免污染，使用时请注意采用无菌技术。
7. 取出后产品不能再倒回瓶中继续保存使用，且经平衡后未使用的产品应丢弃。
8. 如果精液质量良好时不要使用，避免超激活运动。
9. 本品对死精子作用无效。
10. 该产品组分在规定的储存环境及产品有效期内无成分损失。
11. 本产品含有源自人类血液的人血清白蛋白。该产品中的人血清白蛋白经检测其HIV-Ab、TP、

Anti-HCV均呈阴性，HBsAg、HBsAb、HBeAg、HBeAb、HBcAb均符合规定。所有的血液制品均视为具有潜在传染性。应当采取适当预防措施，确保患者对该人血清白蛋白无过敏反应。

适用范围

该产品用于临床严重少、弱精子症、睾丸及附睾获取的精子样本体外处理。提高精子运动能力。

组成成分

L-脯氨酸	L-亮氨酸	氯化钠
L-色氨酸	L-异亮氨酸	氯化钾
L-酪氨酸	L-苏氨酸	氯化钙
L-苯基丙氨酸	L-缬氨酸	磷酸二氢钾
L-天门冬酰胺	L-丝氨酸	硫酸镁
L-天门冬氨酸	L-甲硫氨酸	碳酸氢钠
L-谷氨酸	L-赖氨酸单盐酸盐	葡萄糖
L-精氨酸	N (2) -L-丙氨酸-L-谷氨酰胺	丙酮酸钠
L-胱氨酸	人血清白蛋白	乳酸钠
L-组氨酸	硫酸庆大霉素	甘氨酸
己酮可可碱		

储存运输条件及有效期

2℃~8℃密闭避光可保存6个月。
运输应在2℃~8℃密闭避光条件下进行。
开瓶后产品可在2℃~8℃避光条件下保存7天。
开瓶7天后剩余培养液应丢弃。

产品性能指标

1. pH值(37℃)：7.2~7.6。
2. 渗透压：
渗透压在260mOsmol/kg~310mOsmol/kg内。
3. 细菌内毒素检测（LAL）：< 0.1 EU/mL。

4. 产品无菌性：符合规定。
5. 精子体外存活实验：合格。

禁忌症

对人血清白蛋白、硫酸庆大霉素过敏者禁用。

使用方法

宫腔内人工授精（IUI）
按照标准程序进行，制备好要做人工授精的精液后，按精液体积十分之一的体积比例加入精子活力液，37℃恒温环境下培养10~30分钟后，即可实施IUI。

卵胞浆内单精子显微注射技术（ICSI）
MESA、少弱精症患者的ICSI程序。在最终的培养液中按十分之一的体积比例加入精子活力液，在37℃恒温环境下培养10~30分钟后，找到运动的精子，然后放入精子显微操作液内，按正常ICSI程序操作即可。

睾丸附睾取精（TESE）
按标准TESE样本制备程序进行。在最终的培养液中按十分之一的体积比例加入精子活力液，在37℃恒温环境平衡培养10~30分钟后，找到运动的精子，然后放入精子显微操作液内，按正常ICSI程序操作即可。

冻融样本
冷冻精子准备的过程将遵循标准流程。按十分之一的体积比例将精子活力液添加到精子洗涤液中即可。
两次洗涤后，即可使用。

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Chengdu Aivfo Biotechnology Co. Ltd



SpermAct

C013-1 1mLx2

Explanation of Symbols

	Sterilized using aseptic processing techniques
	Batch code
	Date of manufacture
	Use-by date
	Temperature limitation
	Keep away from sunlight

Precautions and Warmings

- Before using the product for embryo culture, the user should read and understand the operation and precautions, and master the correct procedures.
- This product cannot be used for injection.
- This product is sterilized by filtration and is not suitable for re-sterilization
- Do not use this product if:
 - The product package is damaged or the seal has been destroyed.
 - The product exceeds the shelf life.
 - The product has been discolored, or become turbid, or granular.
- This product contains gentamicin sulfate. Appropriate preventive measures should be taken to ensure that patients are not allergic to the antibiotic.
- In order to avoid contamination, please use aseptic technology during operation.
- After taken out, the product cannot be poured back to the vial for further storage and use, and

the unused product after balancing should be discarded.

8. If the semen quality is good, do not use the product to avoid hyperactive movement.

9. This product has no effect on dead sperm.

10. The components of the product have no loss in the specified storage condition and shelf life.

11. This product contains human serum albumin derived from human blood. The human serum albumin in this product has been tested to be negative for HIV-Ab, TP, and Anti-HCV, and HBsAg, HBsAb, HBeAg, HBeAb, and HBcAb. All blood products should be considered potentially infectious. Appropriate precautions should be taken to ensure that the patients do not have an allergic reaction to the human serum albumin.

Intended Use

The product is used for in vitro treatment of sperm specimens obtained from testis and epididymis of those with severe oligozoospermia and asthenospermia, to improve sperm motility.

Components

L-Proline	L-Leucine
L-Histidine	L-Isoleucine
L-Phenylalanine	L-Threonine
L-Asparagine	L-Lysine monohydrochloride
L-Aspartic acid	L-Valine
L-Glutamic acid	L-Serine
L-Arginine	L-Methionine
L-Tryptophan	L-Cystine
L-Tyrosine	Sodium chloride

Potassium chloride	Calcium chloride
Glycine	Magnesium sulfate
Sodium bicarbonate	Potassium phosphate monobasic
Glucose	N2-L-Alanyl-L-glutamine
Sodium pyruvate	Human Serum Albumin
Sodium lactate	Gentamicin Sulfate
Pentoxifylline	

Storage and Transportation

Store dark at 2°C to 8°C, is stable until the expiry date shown on the labels.

Product can be used within 7 days from first opening when stored dark at 2°C to 8°C.

Store dark and closed at 2°C to 8°C during transportation.

Discard unused medium within 7 days of opening.

Performance

- pH(37°C): 7.2~7.6.
- Osmolality (mOsmol/kg) : 260~310.
- Endotoxin (LAL): <0.1 EU/mL.
- Sterility Test (bacterial and fungal screen, SAL 10⁻³): Pass.
- Human sperm survival assay: Pass.

Contraindications

Those who are allergic to human serum albumin and gentamicin sulfate are prohibited.

Operation

Intrauterine insemination (IUI)

According to the standard procedure, after

preparing the semen for artificial insemination, add SpermAct according to one tenth of the semen volume for 10-30 min, then conduct IUI.

Intracytoplasmic sperm injection(ICSI) procedure is for patients with MESA and oligoasthenospermia. In the final culture medium, add SpermAct one tenth of culture medium, culture in 37°C constant temperature environment for 10-30 min, find the moving sperm, and then put it into the sperm micro working fluid according to the normal ICSI procedure.

Testicular sperm extraction(TESE)

Culture medium is prepared according to the standard TESE procedure. In the final culture medium, add SpermAct one tenth of culture medium, culture in 37°C constant temperature environment for 10-30 min, find the moving sperm, and then put it into the sperm micro working fluid according to the normal ICSI procedure.

Specimen Freezing and Thawing

The frozen sperm is prepared according to the standard process. According to one tenth of the volume ratio, add SpermAct to the sperm washing liquid.

After washing twice, it can be used.