

# Channel Fertilized Culture Dish



**For laboratory procedures only; other uses must be qualified by the end user.**

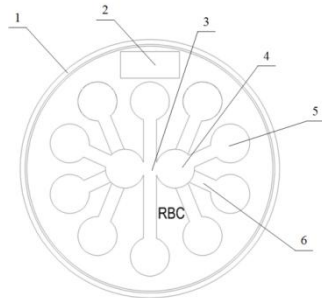
Product Name	Model	Size
Channel Fertilized Culture Dish	RBC-2031	φ42mm

## Intended Use

This product is a US patent (USPTO) and the China patent product. Mainly used for in-vitro fertilization and embryo culture.

## Product Description

There are twelve circular grooves in the dish. Ten grooves in the periphery are connected with the two grooves in the center. Two central grooves are used to store sperm, and 10 peripheral grooves are used to store oocytes. The high quality spermatozoa can swim to the peripheral grooves. The dead sperm, impurities and pathogenic microorganisms are left in the central grooves. This will increase the fertilization chance of good sperm and oocyte, improve the quality of embryo and clinical success rate .



- 1- Dish
- 2- label slot
- 3- center channel
- 4- center groove
- 5- peripheral groove
- 6- peripheral channel

Fig.1

Schematic diagram of channel fertilized culture dish

## Product Advantage

Simple and practical, easy method.

Natural screening of high quality sperm.  
Sperm DNA integrity is good.  
Effective separation of impurities and pathogens.  
Reduce the damage of dead sperm to oocytes.  
Fertilized embryos are of good quality.  
High safety and high success rate.

## Quality Assurance

Sterilized by gamma ray.  
ChP sterility test passed.  
One-cell MEA tested and passed with 80% or greater blastocyst at 96 hours.  
ChP Endotoxin test passed with <0.5 EU/set.  
A Certificate of Analysis is available for this product.

## Direction for Use

First label patient's name in spot 2.  
Then add culture medium (30-50 μL) to 1-10 peripheral groove of the dish, add 50 μL culture medium to the center groove, add culture medium to connect each other. Cover the medium with culture oil, Put the dish into the CO<sub>2</sub> incubator for at least 3 hours at 37°C .  
After cultured in CO<sub>2</sub> incubator, take out the dish.  
Place 1-2 oocytes into the peripheral groove, sperm into the center groove.  
Then place dish into CO<sub>2</sub> incubator at 37°C for overnight. Check the fertilization next morning.

**Note:** When culturing, the dish should be covered with cap.  
This dish is also used for culturing embryos or oocytes.

## Precautions

Do not re-use the product, please destroy it after use.  
The product has been sterilized by gamma ray and the period of sterilization validity is three years. Do not use if the sterile packaging has been compromised or expiry date has been exceeded.  
This product is intended to be used by staff who have obtain the relevant qualifications.

## Warnings

Law restricts this device to sale by or on the order of a physician.  
Before use the product, please read the instruction for use carefully.  
Waste should be disposed in according to the regulations of hospital or environmental protection department.  
During use the product, Please do not try to change its structure.

## Storage Condition

Avoid sunlight, water, high temperature and weight, store in a dry and ventilated place.

## ISO Notation



**Rx Only** This product should be purchased by a doctor (or a licensed operator)

Registrant/ Manufacturer name: **REPROBIOTECH CORP CHINA LTD**  
Registrant/ Manufacturer address: Gyeonggi Industrial Park No.103, Hunan East Road ,High-tech Zone, Liaocheng, Shandong , China  
Registrant/ Manufacturer telephone: 400-002-0926  
After-sales centers: **REPROBIOTECH CORP CHINA LTD**  
Product Address: Gyeonggi Industrial Park No.103, Hunan East Road ,High-tech Zone, Liaocheng, Shandong , China  
Production license number: 鲁食药监械生产许 20190034 号  
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Web: www.ruibachina.com  
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