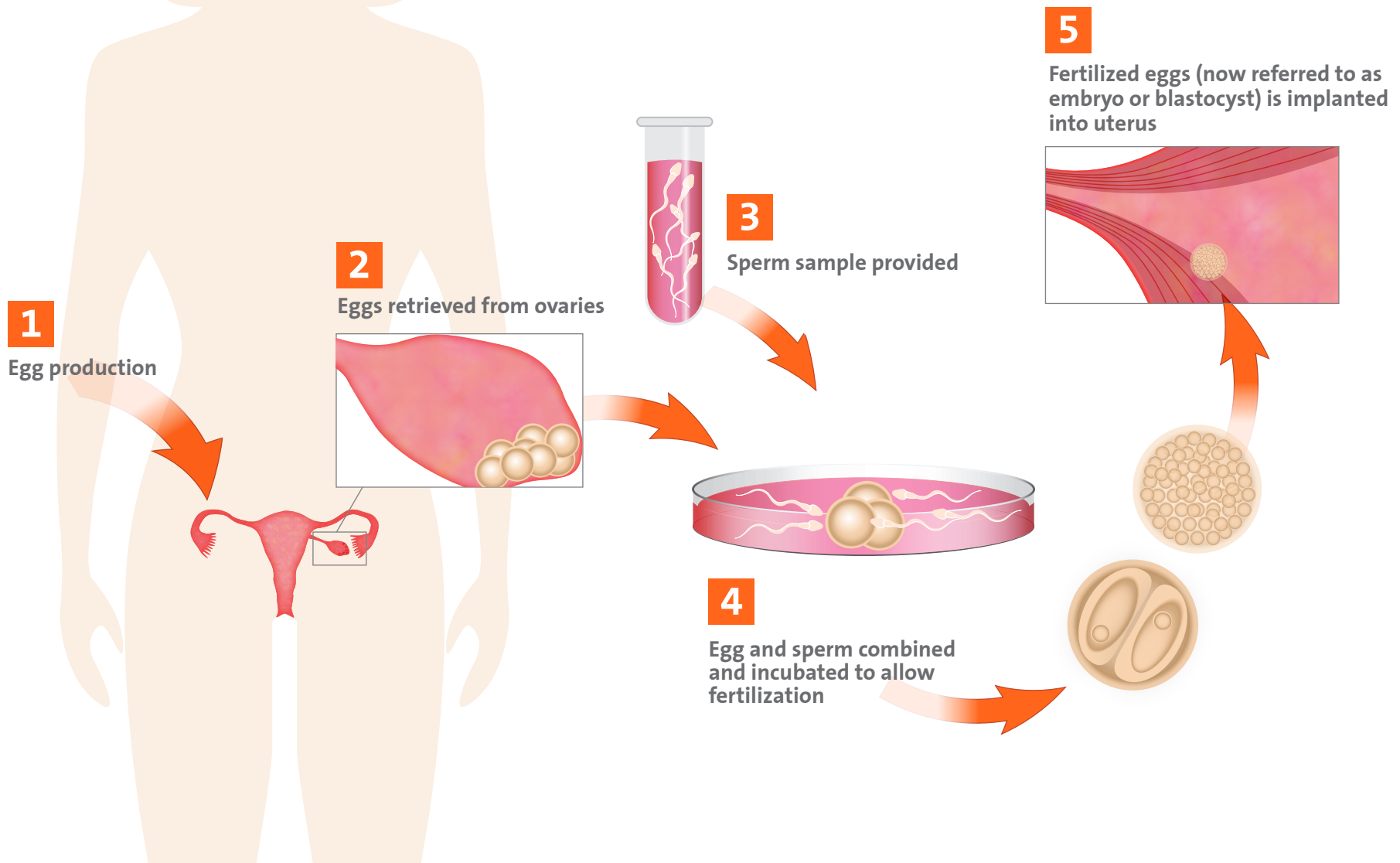


# In Vitro Fertilization (IVF)

*In vitro* fertilization (IVF) is the process by which a female egg is fertilized outside the body in a laboratory with male sperm, typically in a cell culture dish. The fertilized egg can then be implanted in the uterus and will attempt to attach and develop inside the female. In some cases, the eggs, sperm or embryos may be frozen, preserved and stored for use at a later date.

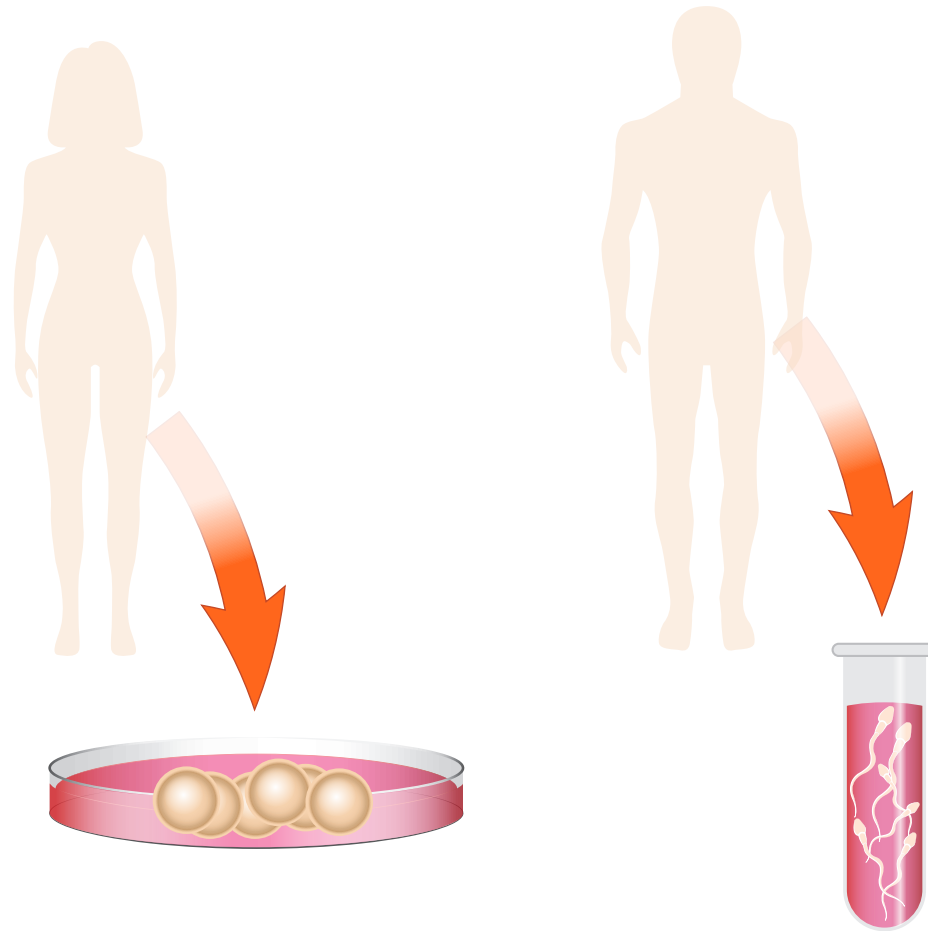


*In Vitro* Fertilization (IVF) Process

## Step 1: Egg and Sperm Collection

---

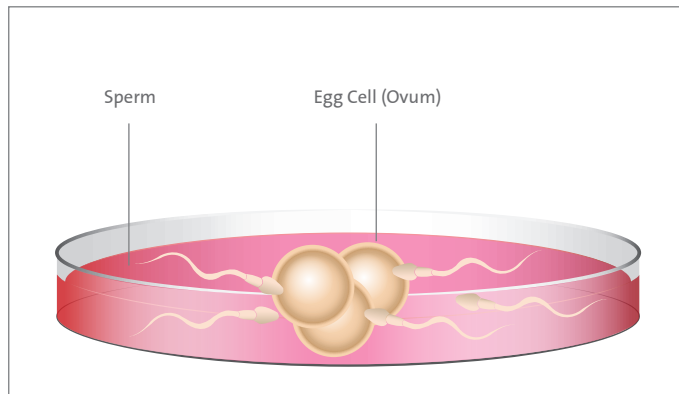
Eggs are retrieved from a female and sperm is collected from a male.



## *In Vitro* Fertilization (IVF) Process

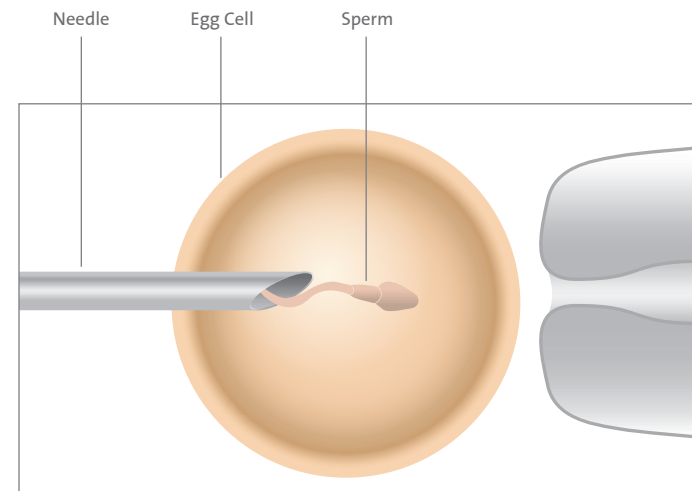
# Step 2: *In Vitro* Fertilization

---



Collected eggs are isolated and the sperm is added to fertilize the egg in a cell culture dish.

**OR**



In other instances, fertilization may be achieved through Intracytoplasmic sperm injection (ICSI), a procedure where a single sperm is injected directly into an egg.

*In Vitro* Fertilization (IVF) Process

## Step 3: Fertilized egg culture

---



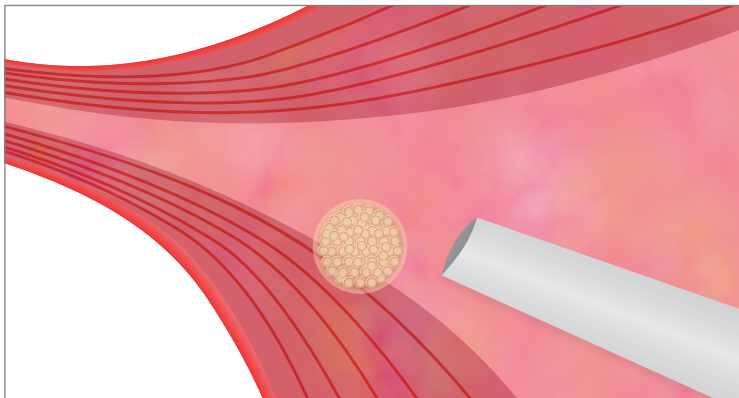
The fertilized egg is cultured for a period of 2-5 days to encourage cell division.

*In Vitro* Fertilization (IVF) Process

## Step 4: Implantation or Cryopreservation

---

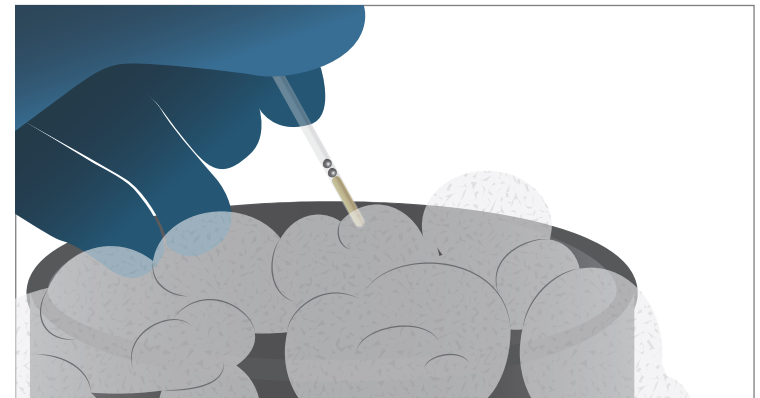
### Implantation



The fertilized egg or embryo is transferred from the culture dish and implanted into a woman's uterus by a medical doctor.

OR

### Cryopreservation



Eggs, sperm or embryos may be frozen (also known as cryopreservation) to be used at a later date.

## In Vitro Fertilization (IVF) Process

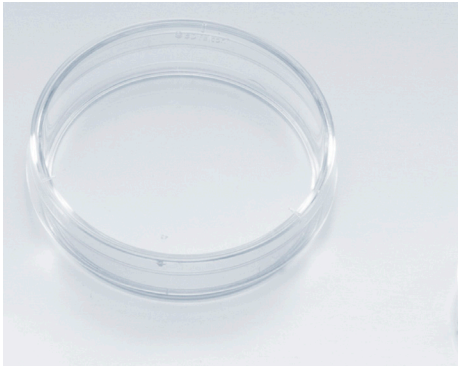
# Corning® related products

---

### Falcon® In Vitro Fertilization Products

All Falcon® IVF products are:

- ▶ US FDA 510(k) Class II cleared medical device
- ▶ Class IIa CE marked medical devices per the EU MDD 93/42/EEC



IVF round dish  
Cat. No. 353652



IVF one-well dish  
Cat. No. 353653



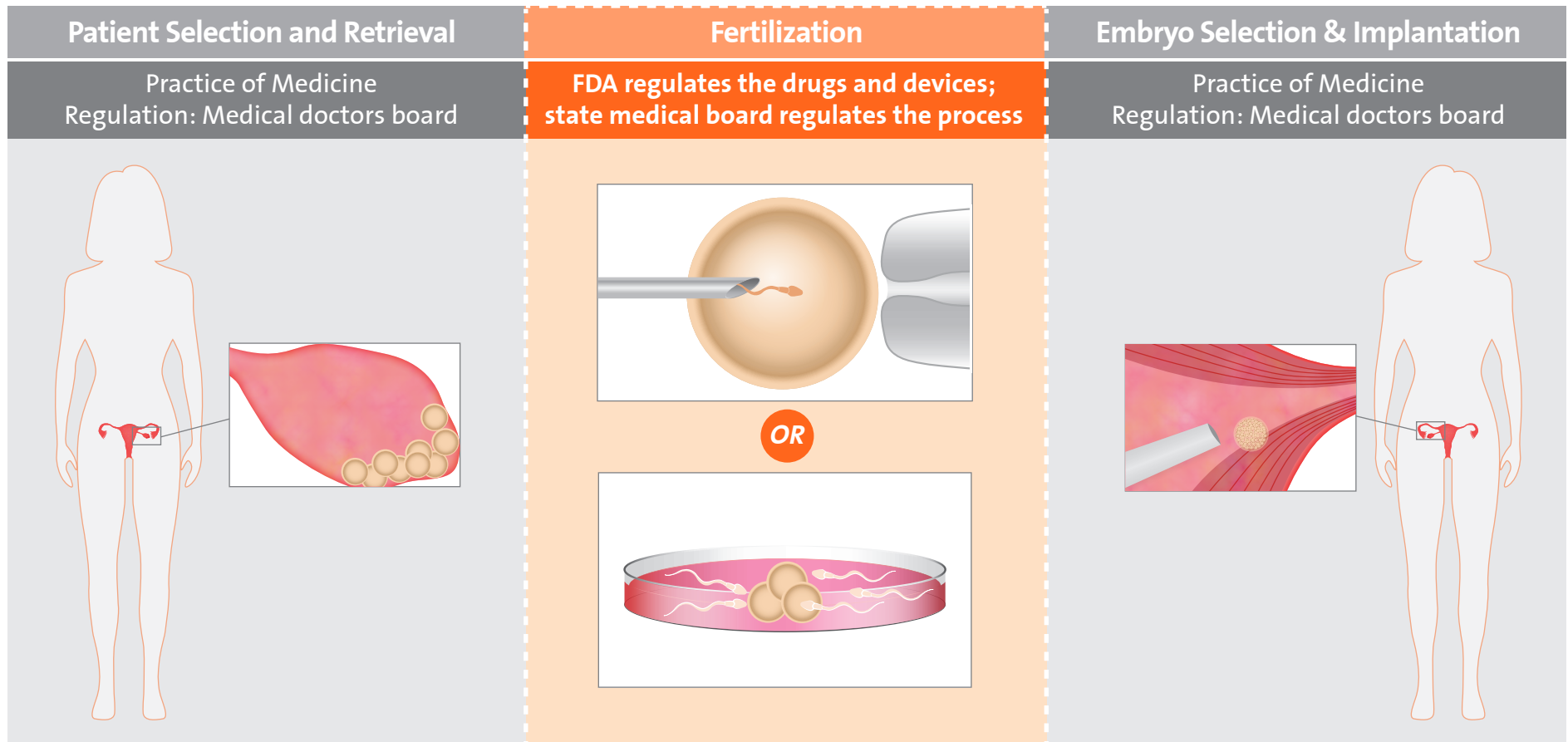
IVF four-well plate  
Cat. No. 353654



Low-wall dish  
Cat. No. 353655  
\*For use in fertilization via the  
Intracytoplasmic Sperm Injection  
(ICSI) procedure

## Regulation of the IVF Process

The US FDA (federal government) does not regulate the practice of Medicine. It is regulated by the individual state and the state medical board.



**The US FDA regulates any drugs and devices used in IVF treatments.** However, the FDA does not regulate the IVF procedures themselves, nor does it oversee general operations of fertility clinics.