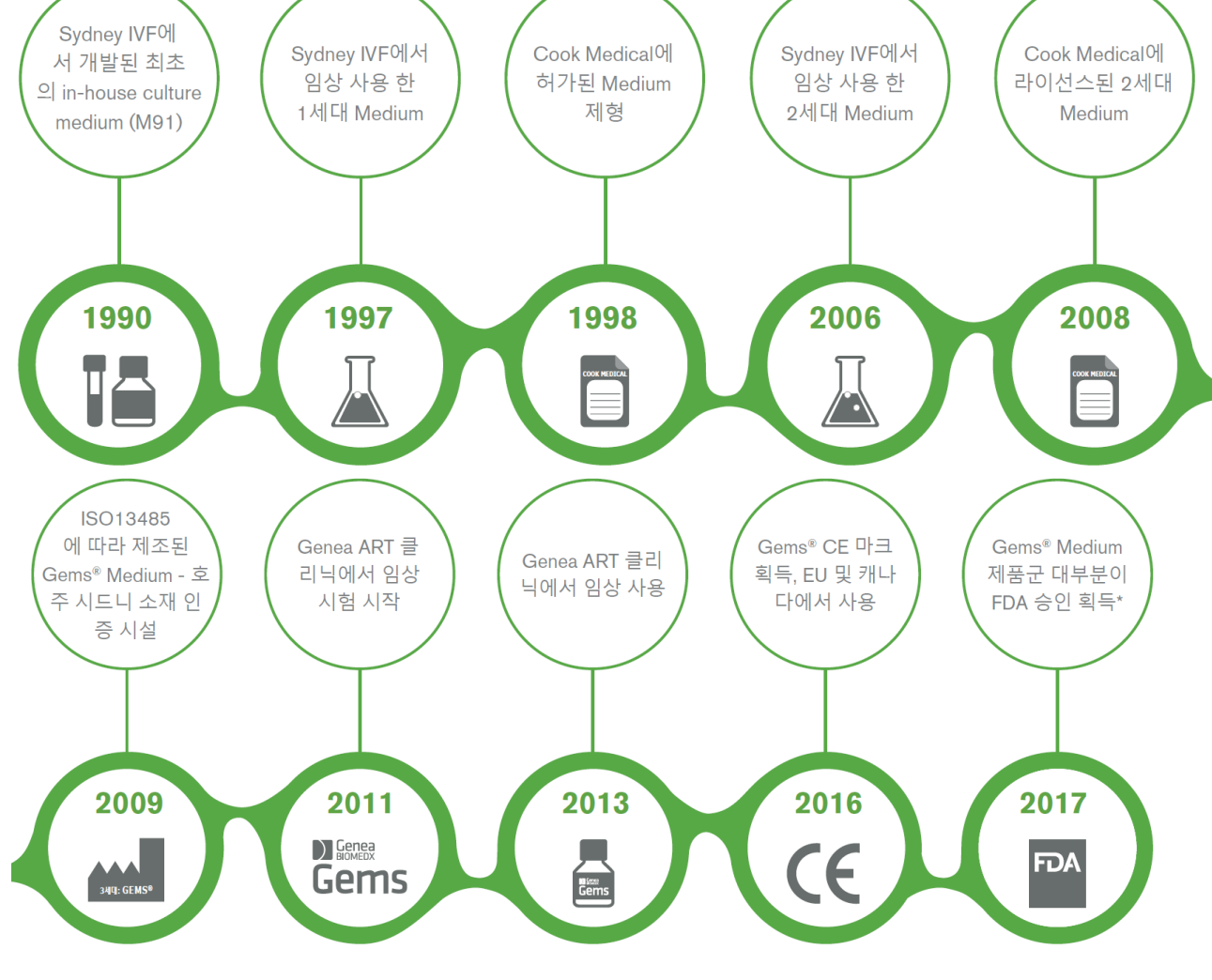




Gems® medium suite는 Genea의 embryologist와 andrologist들이 ART에 대해 몇 십년 간 연구 해 온 노하우입니다.¹



GAMETE HANDLING AND PREPARATION



Oocyte Retrieval Buffer (50mL)²

난포에서 난모 세포 분리 시 난모 세포의 스트레스를 경감시켜줍니다.

General Information

Oocyte Retrieval Buffer is supplemented with gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.30-7.50
Osmolality Range (mOsm/kg) is 280-290

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate, heptahydrate, Sodium bicarbonate, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Gentamicin sulfate, HEPES, Calcium lactate pentahydrate



Sperm Medium (50mL)²

IUI, IVF 또는 진단용 세척에서 수정 단계를 위한 정자 세척 및 재 현탁에 사용되며 6% CO2 인큐베이터 보관에 최적화되었습니다.

General Information

Sperm Medium is supplemented with human serum albumin (10 mg/mL) and gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.50-7.70
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, Sodium pyruvate, Gentamicin sulfate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Calcium chloride dihydrate, Human serum albumin



Sperm Wash Gradient Set (50mL)²

수정을 준비하기 위해 정액에서 정자를 분리하고 운동성이 높은 정자를 분리하는데 사용됩니다.

Sperm Wash Gradient (45%)

General Information

pH range (25°C in air) is 7.30-7.50
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, HEPES, Sodium pyruvate, Gentamicin sulfate, Alanyl glutamine, Taurine, Glycine D-(+)-Glucose, Calcium lactate pentahydrate, Human serum albumin, Silane coated silica

Sperm Wash Gradient (90%)

General Information

pH range (25°C in air) is 7.30-7.50
Osmolality Range (mOsm/kg) is 280-290

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, HEPES, Sodium pyruvate, Gentamicin sulfate, Alanyl glutamine, Taurine, Glycine D-(+)-Glucose, Calcium lactate pentahydrate, Human serum albumin, Silane coated silica

The solutions are supplemented with human serum albumin (10mg/mL), gentamicin (0.01mg/mL) and coated silica.



Sperm Buffer (50mL)²

IUI, IVF 또는 진단용 세척에서 수정 단계를 위한 정자 세척 및 재 현탁에 사용됩니다.

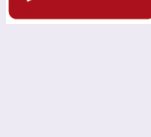
General Information

Sperm Buffer is supplemented with human serum albumin (10 mg/mL) and gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.30-7.50
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, HEPES, Sodium pyruvate, Gentamicin sulfate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Human serum albumin

GROWTH MEDIA



Fertilization Medium (50mL)²

최적의 수정률을 얻기 위해 난모 세포와 정자 모두에게 적합한 환경을 제공하기 위해 사용됩니다.

General Information

Fertilization Medium is supplemented with human serum albumin (5 mg/mL) and gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.50-7.70
Osmolality Range (mOsm/kg) is 295-305

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Magnesium chloride hexahydrate, Sodium bicarbonate, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Gentamicin sulfate, EDTA disodium salt dihydrate, L-Carnitine, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi-calcium salt, Human serum albumin



Geri® Medium (50mL)²

시험관 내 배아 발달에 필요한 영양소를 제공하는 데 사용됩니다. 배아는 자궁으로 옮겨지기 전 최대 5일 동안 배양 할 수 있습니다.

General Information

Geri Medium is supplemented with human serum albumin (5 mg/mL) and gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.40-7.60
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulphate heptahydrate, Sodium bicarbonate, Magnesium chloride hexahydrate, EDTA disodium salt dihydrate, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi calcium salt, Human serum albumin, Gentamicin Sulphate, L-Sodium Ascorbate, L-Carnitine, Folic Acid (Vitamin B9), Cobalamin (Vitamin B12), Essential Amino Acids



Cleavage Medium (50mL)²

시험관 내 배아 발달에 필요한 영양소를 제공하는 데 사용됩니다. 배아는 자궁으로 옮겨지기 전 최대 2일 동안 이 용액에 남아 있거나 Blastocyst medium에서 최대 3일 동안 더 배양 할 수 있습니다.

General Information

Cleavage Medium is supplemented with human serum albumin (5 mg/mL) and gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.40-7.60
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Magnesium chloride hexahydrate, Sodium bicarbonate, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, EDTA disodium salt dihydrate, Gentamicin sulfate, Calcium lactate pentahydrate, Sodium L-ascorbate, L-Carnitine, Folic acid, Cobalamin, Essential amino acids, Non-essential amino acids, D-Pantothenic acid hemi-calcium salt, Human serum albumin



Blastocyst Medium (50mL)²

Cleavage 단계부터 blastocyst 단계까지 시험관 내 배아 발달에 필요한 영양소를 제공하는 데 사용됩니다. 배아는 자궁으로 옮기기 전에 최대 3일 동안 배양 할 수 있습니다.

General Information

Blastocyst Medium is supplemented with human serum albumin (5 mg/mL) and Gentamicin (0.01 mg/mL).
pH range (25°C in air) is 7.60-7.80
Osmolality Range (mOsm/kg) is 285-295

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Magnesium chloride hexahydrate, Sodium bicarbonate, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, EDTA disodium salt dihydrate, Gentamicin sulfate, Calcium lactate pentahydrate, Sodium L-ascorbate, L-Carnitine, Folic acid, Cobalamin, Essential amino acids, Non-essential amino acids, D-Pantothenic acid hemi calcium salt, Human serum albumin

VITRIFICATION & WARMING SOLUTIONS



Vitrification Set (Solution1 20mL, Solution2 20mL, Solution3 10mL)²

동결보존 Solution은 세포 손상을 보호합니다(EG/DMSO/Trehalose). 배아의 수동 유리화 동결용입니다.

General Information

The Vitrification Set consists of 3 solutions:

- Vitrification Set VitSol 1 – supplemented with human serum albumin (18.3 mg/mL)
- Vitrification Set VitSol 2 – supplemented with human serum albumin (16.2 mg/mL)
- Vitrification Set VitSol 3 (DMSO)

The Vitrification Set is not ready for use until the 3 solutions have been combined as per the Instructions for Use. VitSol 3 is Dimethyl sulfoxide (DMSO). A Material Safety Data Sheet (MSDS) is available upon request. The Vitrification Set must be used with a legally marketed storage device that is indicated for use in vitrification procedures. The storage device must be a closed system to prevent the potential risk of viral contamination.

VitSol 1 and VitSol 2 are supplemented with human serum albumin.

Components

VIT-SOL1

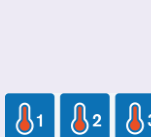
Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi-calcium salt, Human serum albumin, Ethylene glycol

VIT-SOL2

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi-calcium salt, Human serum albumin, Trehalose dihydrate

VIT-SOL3

Dimethyl sulfoxide (DMSO)



Warming Set (Solution1 20mL, Solution2 10mL, Solution3 10mL)²

Vitrification Set 또는 Gavi® Medium Cartridge를 사용하여 유리화 동결된 배아의 용해용입니다.

General Information

The Warming Set consists of 3 solutions:

Warming Set WarmSol 1, 2, 3 – supplemented with human serum albumin (20.0 mg/mL)

The solutions of the Warming Set are supplemented with human serum albumin.

Components

WRM-SOL1

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, Magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi calcium salt, Human serum albumin, Trehalose dihydrate

WRM-SOL2

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, Magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi calcium salt, Human serum albumin, Trehalose dihydrate

WRM-SOL3

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate heptahydrate, Sodium bicarbonate, Magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi calcium salt, Human serum albumin



VitBase (20mL)²

가스가 없는 환경에서 단시간 동안 배아를 유지합니다.

General Information

Can be used at either room temperature or after equilibration to 37°C.

VitBase is supplemented with human serum albumin (20 mg/mL).

pH range (25°C in air) is 7.30-7.50

Osmolality Range (mOsm/kg) is 295-305

Components

Sodium chloride, Potassium chloride, Potassium phosphate monobasic, magnesium sulfate heptahydrate, Sodium bicarbonate, Magnesium chloride hexahydrate, HEPES, Sodium pyruvate, Alanyl glutamine, Taurine, Glycine, D-(+)-Glucose, Calcium lactate pentahydrate, Non-essential amino acids, D-Pantothenic acid hemi-calcium salt, Human serum albumin