

# Early Cleavage Media™

ASSISTED  
REPRODUCTIVE  
TECHNOLOGY



*Each* lot of ECM media receives a complete laboratory evaluation including mouse embryo testing, endotoxin level, pH, osmolality and sterility testing. All results are provided in a lot-specific Certificate of Analysis.

Early Cleavage Media™ (ECM®) are intended for use in culturing human gametes during fertilization (IVF) and growth of embryos through Day 3 of development.

ECM® Medium is a modification of P-1® Medium that contains glucose, alanyl-glutamine and EDTA, components shown to benefit human embryo development. This medium is an alternative to P-1 Medium for those clinicians who prefer the presence of glucose during fertilization and early cleavage stages of embryo development. ECM is bicarbonate based and is designed for procedures utilizing a CO<sub>2</sub> incubator.

#### ECM®, Catalog #90138

- Available in 60 mL configuration
- Has a shelf life of 90 days from date of manufacture
- Requires protein supplementation

#### Complete ECM® with SSS™, Catalog #90140\*

- Available in 2 x 20 mL configuration
- Has a shelf life of 120 days from the date of manufacture
- Supplemented with protein (10% SSS) for a final total protein concentration of 6 mg/mL

#### Complete ECM® with DSS, Catalog #90142

- Available in 2 x 20 mL configuration
- Has a shelf life of 120 days from the date of manufacture
- Supplemented with protein (10% DSS) for a final total macromolecule concentration of 7 mg/mL

#### Features and Benefits

- Early Cleavage Medium (ECM) is a simple salt solution that includes glucose, alanyl-glutamine and EDTA
- Formulated with WFI grade water
- Contains Gentamicin as the antibiotic
- Stored at 2-8° C

#### Components

##### Energy Substrates

Glucose  
Sodium Pyruvate  
Sodium Lactate (D/L)

##### Salts & Ions

Sodium Chloride  
Potassium Chloride  
Magnesium Sulfate  
Calcium Chloride

##### Buffer

Sodium Bicarbonate

##### Dipeptide

Alanyl-glutamine

##### Essential Amino Acid (EAA)

Taurine

##### Antioxidant

Sodium Citrate  
EDTA, disodium, dehydrate

##### pH Indicator

Phenol Red

##### Antibiotic

Gentamicin Sulfate

Irvine Scientific's commitment to excellence is demonstrated by our products' performance and adherence to the industry's highest quality standards. We were one of the first companies in the USA to receive ISO 13485:2003 quality systems certification, the new rigorous international quality assurance standard designed specifically for Medical Devices.

Always refer to product insert for complete instructions for use. For more information on all of our Reproductive Products, call 1 (800) 437 5706.

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\*CE Mark Not Applicable - Not Distributed in the EU

CATALOG #90138, 90140 & 90142 Rev.10

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