



EMCARE™

ET media *when results matter*

EMCARE™ PROVIDES OPTIMAL SUPPORT FOR SAFE EMBRYO HANDLING, WITH EFFECTIVE FLUSHING AND HANDLING MEDIA DEVELOPED BY THE WORLD'S LEADING EMBRYO PHYSIOLOGISTS.

Designed for specialist veterinarians and animal reproduction researchers in the embryo transfer (ET) industry, EMCARE™ media provides ideal conditions for flushing, handling, freezing and thawing embryos.

Its optimized nutritional composition enhances embryo development, and a MOPS buffer (inert zwitterion) provides a more stable micro-environment. This is because a MOPS buffered media is less toxic than both HEPES or Phosphate based media. Trials have shown that more embryos in a MOPS buffered media will develop to a cleavage stage than either HEPES or Phosphate buffered media.

EMCARE™ pre-mixed, ready-to-use media saves time and guarantees consistent quality.

For the most natural and protective surfactant and energy source the flushing and handling media also contains New Zealand-origin bovine albumin. This is virus-screened and irradiated to 5.0 Mrads to ensure a safe, natural embryo protective agent.

All products contain 25 mg/L kanamycin sulfate antibiotic.

EMCARE™ *is the ideal ET media*

SAFE:

- MOPS buffer provides a more stable micro-environment
- Natural New Zealand-sourced, irradiated albumin cleans, protects and provides energy for the embryo
- Sterile filled
- Subjected to extensive quality assurance procedures

CONVENIENT AND DEPENDABLE:

- Ready to go – packaged in field-ready convenient packaging options
- Easy to use – flushing assembly hook-up
- No additional filtration is necessary
- Contains antibiotic
- Water quality, sterility and ionic strength accurately controlled to stringent international standards

For successful embryo transfer, embryos must be able to survive outside the body in solutions closely mimicking normal physiological conditions. The ability to freeze and thaw embryos has significant import/export benefits in terms of safety and economics as well as breeding cycle management.

ICPbio Reproduction's EMCARE™ product line has been formulated to meet these demanding standards, using internationally audited processes.

EMCARE™ flushing media

- Contains bovine albumin providing surfactant and embryo protective properties, with binding sites absorbing plasticizers, endotoxins and proteases
- Plain version available as a base for variable amounts of albumin added separately
- Easy hook up to a flushing assembly; protected sterile ports for gravity-feed flushing or syringe method flushing, plus a luer port with a one-way valve for syringe method or new tap-free syringe method flushing assembly

Description	Units	Item No.
EMCARE Complete Ultra Flushing Solution (with ALBUMIN)	1 L	CECFS-100
EMCARE Complete Ultra Flushing Solution (with ALBUMIN)	2 L	CECFS-200
EMCARE Flushing Solution (without ALBUMIN)	1 L	ECFS-100
EMCARE Flushing Solution (without ALBUMIN)	2 L	ECFS-200
ALBUMIN Solution, 20% w/v	5 x 20 ml	ABRD-020
EMCARE BioFree Flushing w/PVA	1 L	ECPVA-100
EMCARE BioFree Flushing w/PVA	2 L	ECPVA-200

EMCARE™ handling media

- Optimized nutrient composition improves embryo survival rates
- 6 ml minipac option provides sterile, one time use product with no additional equipment costs

Description	Pack	Units	Item No.
EMCARE Holding Solution	Minipac	20 x 6 ml	MPHM-100
	Bottle Pack	5 x 20 ml	ECHM-100
	Bottle Pack	5 x 100 ml	ECHM-500
EMCARE Glycerol 10% w/v	Minipac	20 x 6 ml	MPGF-100
	Bottle Pack	5 x 20 ml	ECGF-100
EMCARE Sucrose 34.2% w/v	Minipac	20 x 6 ml	MPST-100
	Bottle Pack	5 x 20 ml	ECST-100
EMCARE Ethylene Glycol 1.5M	Minipac	20 x 6 ml	MPEG-100
	Bottle Pack	5 x 20 ml	ECEG-100
EMCARE Thawing System*	Minipac	16 x 6 ml	MPTP-080
	Bottle Pack	4 x 20 ml	ECTP-80

*Embryo Thawing System

1. 6% w/v glycerol + 0.3M (10.3% w/v) sucrose in EMCARE
2. 3% w/v glycerol + 0.3M (10.3% w/v) sucrose in EMCARE
3. 0.3M (10.3% w/v) sucrose in EMCARE
4. EMCARE Holding Solution

To use Embryo Thawing System: Thaw straw 15–20 seconds in 37°C waterbath then pass embryos through each of the 4 solutions 6–7 minutes each.

For more information on EMCARE™ visit: www.icpbioepro.com or email: sales@icpbioepro.com.

Distributed by:

Quality and Manufacturing

ICPbio Reproduction works alongside internationally acclaimed research organizations to develop innovative technological solutions for animal health and industrial testing applications.

EMCARE™ products are manufactured in a GMP (Good Manufacturing Practice) facility.

EMCARE™ products are filled using in-line filtration in an aseptic environment and quality control tested to ensure compliance with specifications, including sterility testing to meet United States Pharmacopeia Sterility test method.

Albumin is of New Zealand origin, virus-screened and irradiated. The water used is highly purified with a low endotoxin specification.

New Zealand's geographic isolation, stringent border controls and pastoral-based agricultural economy have ensured the country remains free of scrapie, all List A (OIE) diseases and major animal diseases including BSE, Akabane, Bluetongue, Foot-and-Mouth and Rinderpest.

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