

SYNGRO™



The world's first non-refrigerated, non-animal origin brand of Embryo Transfer media!

Bioniche Animal Health USA proudly introduces another major innovation for embryo transfer and reproduction specialists: SYNGRO™ Holding, an embryo holding medium in a non-refrigerated, non-animal origin formulation.

The latest research indicates that the embryo has unique needs, including ideal pH and osmolarity. SYNGRO Holding addresses these needs with a formula that specifically eliminates bovine serum albumin (BSA) and all other materials of animal origin.

Importantly, the product does NOT require refrigeration, thus it eliminates reliance on costly refrigerated freight services. It also provides practical storage and handling benefits for the practitioner.

The foot and mouth crisis in the EU in 2001, resulting in the ban of importation and exportation of both semen and ova, inspired Bioniche to develop a non-animal origin line of media. Today's Bovine Spongiform Encephalopathy (BSE) issues in North America and elsewhere demonstrate that non-animal origin formulas are essential to both exporters and importers of embryos.

SYNGRO Holding represents the first in a complete line of technologically-advanced media that also offer practical and economic advantages to all reproductive specialists due to their non-refrigerated format. The introduction of the SYNGRO brand of media is the latest in Bioniche's growing list of achievements, innovations and industry firsts in the embryo transfer sector.

Practical Benefits with Every Use

- ✓ Eliminates concerns regarding animal-based formulas
- ✓ Eliminates costly second day air shipments of refrigerated media
- ✓ Eliminates the 'down-time', waiting for media to warm to room temperature with each use
- ✓ Eliminates wastage of 're-warmed' refrigerated medium; store extra SYNGRO medium at room temperature
- ✓ Eliminates need to change current procedures - just substitute for any holding medium now used

All SYNGRO™ brand media bearing this symbol are made with a non-animal origin formulation from Bioniche.



SYNGRO™

HOLDING



General Information: All SYNGRO™ brand media contain no materials of animal origin and do not require refrigeration. This provides practical shipping and handling advantages, while reducing the risk of inadvertent contamination from viruses and bacteria.

Bioniche developed the SYNGRO technology in anticipation of stricter government restrictions in the international movement of embryos. Look for the special logo on all SYNGRO™ products - your assurance of animal-origin free formulas to reduce the chance of disease transmission.

SYNGRO™ Holding is a complex solution designed to provide an environment closely resembling that of the uterus for maintaining embryos in an air atmosphere at temperatures from 18-25°C, for up to 9 hours.

Recommended use: Embryos should be recovered from the flushing solution and transferred to a covered petri dish containing SYNGRO Holding. Embryos can be held at room temperature for up to 9 hours or up to 20 hours at 4°C. Embryos can be transferred using a straw containing SYNGRO Holding.

Recommended storage: 15-30°C. **DOES NOT REQUIRE REFRIGERATION.** This product does not contain materials of animal origin.

SYNGRO Holding is the first product in a new, complete system of non-refrigerated, non-animal origin based media designed for the embryo transfer specialist.

The product contains hyaluronan, a linear polysaccharide of alternating D-glucuronic acid and N-acetyl-D-glucosamine. Embryos have been shown to have surface receptors for hyaluronan, which is involved in the regulation of gene expression, cell proliferation and cell differentiation.

Hyaluronan has been used very successfully as a replacement for serum or serum-based products in a number of embryo culture and freezing studies.

Product Codes:

ESM024 -50ml ESM224 -20ml ESM824 -8ml x 6 vials

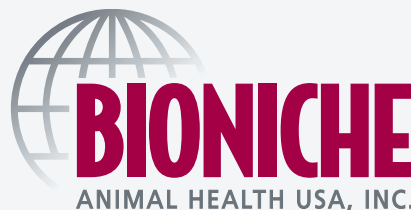
Non-refrigeration plays an important role in reducing the total cost of your product orders as this feature provides the opportunity to use your freight company's "best available rates" for shipping, rather than second day air for refrigerated products. The chart below shows the type of freight savings you can expect.

SYNGRO™ products save time as they may be used immediately without waiting for them to warm to room temperature each time they are needed. Individual products may have specific requirements. Please read the relevant product information included in your order.

Potential Freight Cost Savings with SYNGRO™

Destination	SYNGRO GROUND	Refrigerated Media (2nd Day Air)	SAVINGS
Stockton CA	\$7.00	\$17.00	\$10.00
San Antonio TX	\$7.00	\$20.00	\$13.00
Summerfield FL	\$9.00	\$21.00	\$12.00
S. New Berlin NY	\$10.00	\$28.00	\$18.00
Madison WI	\$7.00	\$24.00	\$17.00

Freight cost examples were calculated based on shipping 42 x 8ml vials of Holding media in non-insulated cartons with cold packs from Pullman, WA by UPS courier standard rates. Similar savings are available for 20 & 50mL formats. Greater savings resulted when insulated containers were shipped. Freight cost savings will vary depending on your business location.



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