

AMERICAN EMBRYO TRANSFER ASSOCIATION CERTIFICATION PROGRAM

Recommended Reference Material for AETA Certification Examination

AMERICAN EMBRYO TRANSFER ASSOCIATION CERTIFICATION GUIDELINES

Be sure to review the latest revision since they are modified whenever the board of directors deems it necessary. Guidelines are available from the AETA office or online at www.aeta.org.

MANUAL OF THE INTERNATIONAL EMBRYO TRANSFER SOCIETY

The IETS publishes a manual with guidelines for general procedures for bovine embryo transfer, minimum standards for hygienic handling of embryos, an updated summary of results on embryo–pathogen interactions, and recommended standardization methods of labeling of containers of frozen embryos. International Embryo Transfer Society, 1800 South Oak Street, Suite 100, Champaign, IL 61820. Order form available online at www.iets.org.

AETA HANDOUT ON LABELING STRAWS, CANES, AND GOBLETS

An illustrated handout on labeling that includes changes made by the IETS since their manual was last printed and AETA recommendations that go beyond the IETS requirements. The handout is available for download from the AETA website (www.aeta.org).

PROCEEDINGS OF ANNUAL CONVENTION OF THE AMERICAN EMBRYO TRANSFER ASSOCIATION

These proceedings contain valuable information needed in the operation of an embryo transfer business plus technical data on subjects such as superovulation, embryo freezing, and embryo cloning. Recent proceedings are available online at www.aeta.org.

PROCEEDINGS OF THE ANNUAL MEETINGS OF THE INTERNATIONAL EMBRYO TRANSFER SOCIETY

The proceedings have especially good reviews on various aspects of embryo transfer for a variety of species. Proceedings are available online (www.iets.org) for society members or can be purchased from the International Embryo Transfer Society, 1800 South Oak Street, Suite 100, Champaign, IL 61820.

EMBRYO TRANSFER TRAINING COURSE MANUALS

Courses are available from universities, organizations, and private companies. The handouts used in the American Association of Bovine Practitioners seminar titled AABP Edwin Robertson Beginning Embryo Transfer Seminar are updated regularly and available to AETA members by contacting the seminar coordinator, Randall Hinshaw, Ashby Genetics, 2420 Grace Chapel Rd., Harrisonburg, VA 22801-4557, randall@ashbygenetics.com, Phone: (540) 246-2697.

EMBRYO TRANSFER IN DAIRY CATTLE

Seidel, Elsden, and Hasler (2003) *Hoard's Dairyman*. 96 pp. Available from the online bookstore at www.hoards.com.

TEXTBOOKS TO REVIEW REPRODUCTIVE ANATOMY AND PHYSIOLOGY (INCLUDING ENDOCRINOLOGY)

Good ones include the following:

McDonalds Veterinary Endocrinology & Reproduction, M. H. Pineda (editor), 5th edition (2002), Iowa State Press

Reproduction in Farm Animals, E. S. E. Hafez (editor), 7th edition (2000), Lippincott Williams & Wilkins

Pathways to Pregnancy and Parturition, P. L. Senger, 2nd edition (2003), Current Conceptions

PROCEDURES FOR RECOVERY, BISECTION, FREEZING, AND TRANSFER OF BOVINE EMBRYOS

R. P. Elsden and G. E. Seidel Jr., 6th edition (1995), Colorado State University, Animal Reproduction Laboratory. Order form available at www.cvmbs.colostate.edu.

IVF Study Materials

[Overview of IVF as it Relates to AETA Certification](#)

[DVDs & Videos for the Animal Breeding Industry](#)

Journal Publications

Tanghe, S., A. Van Soom, H. Nauwynck, M. Coryn, and A. De Druif. 2002. [Minireview: Functions of the Cumulus Oophorus During Oocyte Maturation, Ovulation, and Fertilization](#). *Molecular Reproduction and Development*. 61:414-424.

Ward, F., B. Enright, D. Rizos, M. Boland, and P. Lonergan. 2002. [Optimization of in vitro bovine embryo production: effect of duration of maturation, length of gamete co-incubation, sperm concentration and sire](#). *Theriogenology*. 57: 2105-2117.

Looney, C.R., B.R. Lindsey, C.L. Gonseth, and D.L. Johnson. 1994. [Commercial aspects of oocyte retrieval and in vitro fertilization \(IVF\) for embryo production in problem cows](#). *Theriogenology*. 41: 67-72.

Bousquet, D., H. Twagiramungu, N. Morin, C. Brisson, G. Carboneau, and J. Durocher. 1999. [In vitro embryo production in the cow: An effective alternative to the conventional embryo production approach](#). *Theriogenology*. 51: 59-70.

Boni, R. 2012. [Ovum pick-up in cattle: a 25 yr retrospective analysis](#). *Anim. Reprod.* 9: 362-369.

Pontes, J.H.F., I. Nonato-Junior, B.V. Sanches, J.C. Ereno-Junior, S. Uvo, T.R.R. Barreiros, J.A. Oliveira, J.F. Hasler, and M.M. Seneda. [Comparison of embryo yield and pregnancy rate between in vivo and in vitro methods in the same Nelore \(Bos indicus\) donor cows](#). *Theriogenology*. 71: 690-697.

Carter, J.A., S. Bellow, M. Meintjes, O. Perez, E. Ferguson, and R.A. Godke. [Transvaginal ultrasound-guided oocyte aspiration for production of embryos in vitro](#). 2002. *Arch. Tierz., Dummerstorf*. 45: 99-108.