



**D. APPLICATION FOR EMBRYO EXPORT/CHANGE OF OWNERSHIP**

Application for domestic/International Movement. To be submitted to breed organisation in exporting country, together with Lodging Fee.

Name of Buyer \_\_\_\_\_

Address \_\_\_\_\_

State \_\_\_\_\_ Country \_\_\_\_\_

Sale Date \_\_\_\_\_ Export Date \_\_\_\_\_ Certification of DNA Genotyping/Blood Typing needed by Buyer: YES/NO

Donor Cow \_\_\_\_\_ Herdbook No. \_\_\_\_\_ DNA Case No. \_\_\_\_\_  
CC

Owner \_\_\_\_\_ Breeding Date \_\_\_\_\_

Address \_\_\_\_\_ Recovery Date \_\_\_\_\_  
DD/MM/YY

Service Sire (1) \_\_\_\_\_ Herdbook No. \_\_\_\_\_  
 Sexed Semen X or Y \_\_\_\_\_ CC

Service Sire (2) \_\_\_\_\_ Herdbook No. \_\_\_\_\_  
 Sexed Semen X or Y \_\_\_\_\_ CC

Name of Seller \_\_\_\_\_ Signature \_\_\_\_\_ No. Sold \_\_\_\_\_  
Owner of Donor Dam on Date of Recovery

Address \_\_\_\_\_ Lodging Fee \$ \_\_\_\_\_

**B. RECIPIENT IDENTIFICATION – SALE OF FRESH/THAWED EMBRYOS**

Information copied from Breeder's original ABC document (Flush Form) previously lodged with breed organisation.

Date of Embryo Transfer \_\_\_\_\_ Surgical \_\_\_\_\_ Non-Surgical \_\_\_\_\_ Freeze Date \_\_\_\_\_ Str. Or Amp  
DD/MM/YY on Str. Or Amp. Number/s \_\_\_\_\_

Signature \_\_\_\_\_ Firm \_\_\_\_\_  
Practitioner freezing the embryo

ET Code \_\_\_\_\_ Phone ( ) \_\_\_\_\_

	Tattoo or Ear Tag No.s	Herdbook Registration No.	Breed	Days since Oestrus	Stage Code	Quality Code	Embryo Manipulated N, D, F, M or U	Embryo Fresh/Frozen	Comments
1.	_____	_____	_____	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____	_____	_____	_____	_____

**C. EMBRYO IDENTIFICATION – SALE OF FROZEN EMBRYOS**

Information copied from Breeder's original ABC document (Flush Form) previously lodged with breed organisation.

Type of container  
 Straw \_\_\_\_\_ Ampule \_\_\_\_\_ Other \_\_\_\_\_ Each container labelled to show firm code, breed, reg.no. of donor, freeze. Str. or Amp.no.

Cane No.	Straw or Amp. No.	No. Embs./ Str. Or Amp.	No. X Washed	Stage Code	Quality Code	Embryo		Zona Intact	Trypsin Treated	Comments
						Manipulated N, D, F, M or U	Fresh/Frozen			
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

Time from recovery to onset of freezing \_\_\_\_\_ (hrs.) Cryoprotectant and concentration, final molality and cooling procedure \_\_\_\_\_

How Frozen: Seed Temp. \_\_\_\_\_ Cooling Rate \_\_\_\_\_ Plunge Temp. \_\_\_\_\_ Other \_\_\_\_\_

Recommended method of thawing and dilution \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Phone( ) \_\_\_\_\_  
Practitioner that transferred/froze the embryos ET Code \_\_\_\_\_

N.B. Conditions for lodging Embryo Certificates appear on page 2. Please forward the original completed form, together with fees, to Holstein Australia, PO Box 489, Hawthorn BC, 3122, within 30 days of sale or change of ownership. Photocopy twice, for SELLER'S COPY and BUYER'S COPY.

The Embryo Transfer documents A, B, C and D have been adopted by The Holstein-Friesian Association of Australia Inc. on the recommendation of the International Embryo Transfer Society in the interests of global standardisation of recording procedures.

Parentage verification of ET calves will be applied according to bylaw provisions, and the DNA profile or other genetic imprint of both donors should be recorded no later than the date of first flushing.

Stringent documentation and monitoring of embryo movement is a requirement for registration in the HFAA Herdbook, and the relevant ET forms must be completed and lodged, together with the prescribed fee, whenever embryos are:

Recovered;	A – Certificate of Embryo Recovery	} - To be Lodged within 6 months
or Implanted;	B – Certificate of Embryo Transfer	
or Frozen;	C – Certificate of Freezing	
or Sold/Exported;	D – Application for Embryo Export/ Change of Ownership	

Combined Certificates “ABC” and “DBC” are available on request, together with the relevant prescribed fees from:

**Holstein Australia, PO Box 489, Hawthorn BC, Vic. 3122**  
Tel: (03) 0835 7600 Fax: (03) 9835 7699

**Explanation of Codes on Front of the Form:**

Use the following Codes to describe the embryo, and identify the month in all dates.  
(Note: The Stage Code is the State of development of the embryo.  
The Quality Code is the Quality of the Embryos)

**STAGE CODE**

**No. Stage**

1. Unfertilised
2. 2- to 12-cell (day 2-5)
3. Early Morula (day 5-6)
4. Morula (day 6)
5. Early Blastocyst (day 7)
6. Blastocyst (day 7-8)
7. Expanded Blastocyst (day 8-9)
8. Hatched Blastocyst (day 9)
9. Expanding Hatched Blastocyst (day 9-10)

**QUALITY CODE**

- Code 1. Excellent or Good
- Code 2. Fair
- Code 3. Poor
- Code 4. Dead or degenerating  
(Refer to IETS Manual, Third Edition, Chapter 9, for Description of codes)

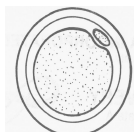
**MANIPULATION OF EMBRYOS**

- N Not manipulated
- D Divided
- F Female by Biopsy
- M Male by Biopsy
- U Sex Undetermined by Biopsy

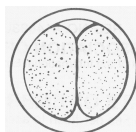
(Use comment column to describe other biopsies)

**SEXED SEMEN**

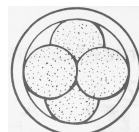
- X Female
- Y Male



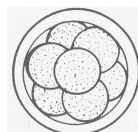
Code 1.  
1-cell (day 1)



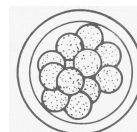
Code 2.  
2-cell (day 2)



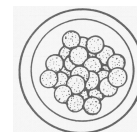
Code 2.  
4-cell (day 3)



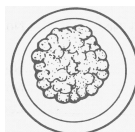
Code 2.  
8-cell (day 4)



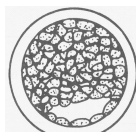
Code 2.  
16-cell (day 5)



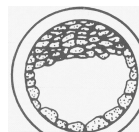
Code 3.  
Early Morula  
(day 5-6)



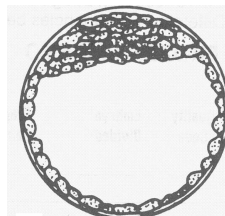
Code 4.  
Morula  
(day 6)



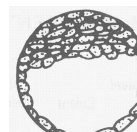
Code 5.  
Early Blastocyst  
(day 7)



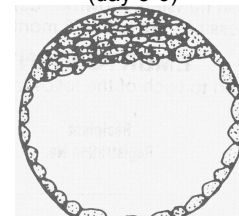
Code 6.  
Blastocyst  
(day 7-8)



Code 7.  
Expanded Blastocyst  
(day 8-9)



Code 8.  
Hatched Blastocyst  
(day 9)



Code 9. Expanding  
hatched Blastocyst  
(day 9-10)