



The ABC Form is the standardised Format of the International Embryo Transfer Society.

ABC
FLUSH FORM

A. CERTIFICATE OF EMBRYO RECOVERY

PRESCRIBED Lodging Fee per flush to accompany Certificate A.

Donor Cow Name _____ Herdbook No. _____ DNA Case No. _____

Donor Cow Owner _____ Address _____

_____ HFAA Member No. _____ Tel. No. _____ Onset _____ AM
Oestrus Date _____ PM
DD/MM/YY

Service Sire (1) _____ Herdbook No. _____ Breeding Date _____
ID Code _____ Freeze Date or Batch No. _____ Sexed Semen X or Y _____ Recovery Date _____
DD/MM/YY

Service Sire (2) _____ Herdbook No. _____ Total Recovered _____
ID Code _____ Freeze Date or Batch No. _____ Sexed Semen X or Y _____ No. Cleaved/Degen. _____
No. Unfertilised _____
No. Transferred _____ (See B)
No. Frozen _____ (See C)

ET Code _____ Lodging Fee \$ _____ Are the embryos IVF? Yes No

Signature _____ Date _____

B. CERTIFICATE OF EMBRYO TRANSFER

Record ALL fresh transfers (downwards) and freezing details (upwards) on date of embryo recovery. Lodge BREED COPY (original) as soon as possible, but within 6 months of flushing in the case of fresh embryos. Delete non-pregnancies before lodgement.

EMBRYO IDENTIFICATION: RECIPIENT

One embryo was transferred to each of the following recipients:

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	Recip. Tatt or Ear Tag No.	Recipient Registration No.	Recipient Breed	Days Since Oestrus	Stage Code	Qual. Code	Embryo Manipulated N, D, F, M or U	Thawed		Pregnancy Confirmed	Comments
								Straw No.	Transfer Date		

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

EMBRYO IDENTIFICATION: FROZEN EMBRYO (complete upwards as part of Certificate of Freezing)

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

Signature _____ Date _____ Phone(____) _____
Practitioner that transferred/froze the embryos ET Code _____

*Use comments column for any special notations and/or to identify the location of the opposite half of a divided embryo. Pregnancy can be noted.

C. CERTIFICATE OF FREEZING

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 _____

N.B. Conditions for lodging Embryo Certificates appear on page2. Please complete this form and forward the original to Holstein Australia, Agribio, 5 Ring Road, Bundoora, Victoria 3083, Australia, within 6 months, together with applicable fees. Take two copies, one for the PRACTITIONER and one for the OWNER to keep. Complete DBC form in the event of a change of ownership in a transferred or frozen embryo. DBC forms are available on request from Holstein Australia and on this website.

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, Agribio, 5 Ring Road, Bundoora Victoria 3083
Tel: (03) 9835 7600

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)

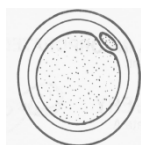
MANIPULATION OF EMBRYOS

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

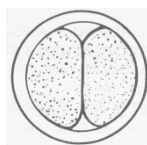
(Use comment column to describe other biopsies)

SEXED SEMEN

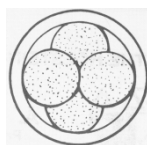
- X Female Y Male



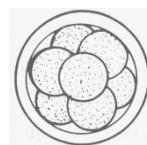
Code 1.
1-cell (day 1)



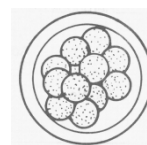
Code 2.
2-cell (day 2)



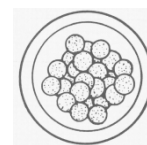
Code 2.
4-cell (day 3)



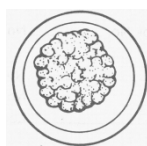
Code 2.
8-cell (day 4)



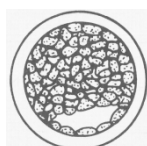
Code 2.
16-cell (day 5)



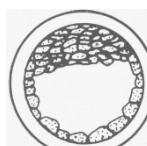
Code 3.
Early Morula
(day 5-6)



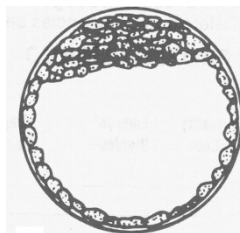
Code 4.
Morula
(day 6)



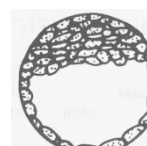
Code 5.
Early Blastocyst
(day 7)



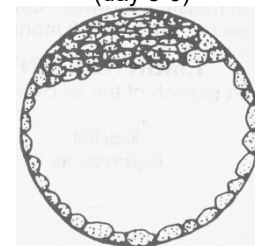
Code 6.
Blastocyst
(day 7-8)



Code 7.
Expanded Blastocyst
(day 8-9)



Code 8.
Hatched Blastocyst
(day 9)



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