

# A. CERTIFICATE OF EMBRYO RECOVERY

Breed \_\_\_\_\_

Donor Name \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ Ear Tag or Tattoo \_\_\_\_\_

Owner \_\_\_\_\_ Address \_\_\_\_\_

Onset Estrus Date \_\_\_\_\_ AM  
PM  
Yr. Mo. Day

Service Sire \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ Breeding Date \_\_\_\_\_ Yr. Mo. Day

ID Code \_\_\_\_\_ Freeze Date or Batch No. \_\_\_\_\_ Sexed Semen X or Y \_\_\_\_\_ Recovery Date \_\_\_\_\_ Yr. Mo. Day

Service Sire \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ Total Recovered \_\_\_\_\_  
No. Cleaved/Degen. \_\_\_\_\_  
No. Unfertilized \_\_\_\_\_  
No. Transferred \_\_\_\_\_  
No. Frozen \_\_\_\_\_

ID Code \_\_\_\_\_ Freeze Date or Batch No. \_\_\_\_\_ Sexed Semen X or Y \_\_\_\_\_

Signature \_\_\_\_\_ Firm \_\_\_\_\_ ET Code \_\_\_\_\_  
*Practitioner or Leader of the Embryo Production Team recovering Embryos*

# B. CERTIFICATE OF EMBRYO TRANSFER (see reverse side for coding instructions)

ACCOMMODATES DIRECT TRANSFER

IF FROZEN

Date of Embryo Transfer \_\_\_\_\_ Yr. Mo. Day \_\_\_\_\_ Surgical \_\_\_\_\_ Non-surgical \_\_\_\_\_ Other \_\_\_\_\_

Freeze Date on straw \_\_\_\_\_

Practitioner I.D. \_\_\_\_\_

Straw No.'s \_\_\_\_\_

Days since Estrus of Donor \_\_\_\_\_

One Embryo was transferred to each of the following recipients unless it is noted that more than one was transferred.

## RECIPIENT IDENTIFICATION

	Ear Tag, Registration or Tattoo No.	Breed Code	Days Since Estrus	Stage Code	Qual. Code	Embryo Manipulated N, D, F, M or U	Straw No.	Emb. Trans. Date	Comments*
1.	_____	_____	_____	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____	_____	_____	_____	_____
6.	_____	_____	_____	_____	_____	_____	_____	_____	_____
7.	_____	_____	_____	_____	_____	_____	_____	_____	_____
8.	_____	_____	_____	_____	_____	_____	_____	_____	_____

Signature \_\_\_\_\_ Firm \_\_\_\_\_ ET Code \_\_\_\_\_ Phone ( ) \_\_\_\_\_  
*Technician/Practitioner or Team Leader that transferred the Embryos*

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

# C. CERTIFICATE OF FREEZING (see reverse side for coding instructions)

Type of Container: Straw \_\_\_\_\_ Other \_\_\_\_\_ Each container labeled to show firm code, breed, reg. no. of donor, freeze date and straw no.

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

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

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

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

Signature \_\_\_\_\_ Firm \_\_\_\_\_ ET Code \_\_\_\_\_ Phone ( ) \_\_\_\_\_  
*Practitioner or Leader of the Embryo Production Team Freezing the Embryos*

## CONDITIONS FOR COMPLETING EMBRYO CERTIFICATES

- A. Complete one or more Certificate of Embryo Recovery for each recovery. Precede registration numbers of donor dam and donor sire(s) with the International Standards Organization (ISO) three letter country codes (cc). The responsible practitioner or leader of embryo production team signing this certificate is attesting to the fact that the donor dam was identified with her certificate of registration, that the service sire information was taken from a written record of services, and that all the information is true and correct.
- B. Certificate of Embryo Transfer will be completed to the extent that is necessary and/or appropriate to identify each recipient into which an embryo is transferred. If frozen embryos are transferred, the Certificate of Embryo Recovery will be completed by the responsible practitioner or by transferring from the original Certificate of Embryo Recovery or by attaching a copy. The practitioner or leader of embryo production team signing the Certificate of Embryo Transfer is attesting to the accuracy and completeness of the identification of the embryos being transferred and the identity of the recipients into which the embryos are being transferred. Days since estrus will be expressed in 1/2 day increments.

One copy of a complete Certificate of Embryo Transfer with Certificate of Embryo Recovery will be submitted to the appropriate breed office as required by the respective breed organization, which may require the record before resulting offspring can be registered or officially identified. One copy should be provided to the owner.

Should any embryo in a recipient as identified hereon change ownership, it is important that the requirements of the respective breed organization for recording the identification of the new owner be followed. This may be required before resulting offspring can be registered or officially identified. This would normally be the responsibility of the owner of record.

- C. The Certificate of Freezing will be completed with the Certificate of Embryo Recovery, whenever embryos are frozen. The practitioner or leader of the embryo production team signing the certificate is attesting to the identification of each embryo, with container labelling, as set forth within the Certificate, along with the accuracy of all other information.

The complete Certificate of Embryo Transfer with Certificate of Freezing will be submitted to the appropriate breed office or as required by the respective breed organization, which may require the record before resulting offspring can be registered or officially identified. One copy will be provided to the owner.

When a frozen embryo changes ownership, it is important that the requirements of the respective breed organization for recording the identification of the new owner be followed. This may be required before resulting offspring can be registered or officially identified. This would normally be the responsibility of the owner of record.

When frozen embryos are exported, a special application for embryo export will be submitted to the respective breed office, with the appropriate fee.

Use the following codes to describe the embryo, identify the breed and identify the month in all dates.

STAGE OF DEVELOPMENT	QUALITY OF EMBRYOS	MANIPULATION OF EMBRYOS	January	JA
<b>No. Stage</b>	<b>Code 1. Excellent or Good</b>	<b>N - Not Manipulated</b>	February	FE
1 Unfertilized	Code 2. Fair	D - Divided	March	MR
2 2- to 12-cell	Code 3. Poor	F - Female by Biopsy	April	AP
3 Early Morula	Code 4. Dead or degenerating	M - Male by Biopsy	May	MY
4 Morula		U - Sex Undetermined by Biopsy	June	JN
5 Early Blastocyst	Refer to IETS Manual, Third		July	JY
6 Blastocyst	Edition, Chapter 9, for	Use comment column to describe	August	AU
7 Expanded Blastocyst	description of codes.	other biopsies.	September	SE
8 Hatched Blastocyst			October	OC
9 Expanded Hatched Blastocyst			November	NO
		<b>SEXED SEMEN</b>	December	DE
		X - Female Y - Male		

BOVINE	
AN - Aberdeen Angus	BZ - Bonsmara
AB - Abundance	CP - Campine Red Pied
AF - Afrikaner	CN - Canadienne
AK - Ankole	CB - Charbray
AY - Ayrshire	CH - Charolais
BA - Barzona	CA - Chianina
BE - Beefalo	DB - Danish Black & White
BF - Beef Friesian	DJ - Danish Jersey
BM - Beefmaster	RW - Danish Red & White
BB - Belgian Blue	DE - Devon
BG - Belted Galloway	DR - Dexter
BD - Blonde D'Aquitaine	DZ - Drakensberger
BX - Boran	FP - East Flemish Red Pied
BO - Braford	ER - Eringer
BR - Brahman	FA - Flamand
BH - Brahmental	FL - Fleckvieh
BL - Braler	FR - Fribourg
BN - Brangus	FB - Friesian (Belgian)
BU - Braunvieh	DF - Friesian (Dutch)
SB - Brown Swiss (beef)	GA - Galloway (beef)
BS - Brown Swiss (dairy)	GD - Galloway (dairy)
GS - Gascone	GV - Gelbvieh
GI - Gir	GR - Groninger
GU - Guernsey	GZ - Guzera
HC - Hays Converter	HH - Hereford (horned)
HP - Hereford (polled)	SH - Highland (Scotch Highland)
HO - Holstein	HY - Hybrid (Alberta Hybrid)
IB - Ibage	IN - Indu Brasil
JE - Jersey	KB - Kobe (Wagyu)
LU - Luing	LM - Limousin
LR - Lincoln Red	MA - Maine-Anjou
MR - Marchigiana	ME - Maremmana
MI - Meuse Rhine Issel	MO - Montbeliard
MG - Murray Grey	NE - Nelore
NG - Nguni	NM - Normande
NR - Norwegian Red	PA - Parthenais
PI - Piedmont	PR - Pie Rouge
PZ - Pinzgauer	RA - Ranger
AR - Red Angus	RB - Red Brangus
RD - Red Dane (Red Danish, Danish Red)	WW - Red Holstein
RP - Red Poll	RN - Romagnola
RO - Rotbunte	SA - Salers
SG - Santa Gertudis	SE - Senapol
MS - Shorthorn (milking)	SS - Shorthorn (beef - Scotch)
SP - Shorthorn (polled)	IS - Shorthorn (Illawarra)
SI - Simbrah	SM - Simmental
DS - South Devon	SX - Sussex
TA - Tarentaise	TG - Tasmanian Grey
TL - Texas Longhorn	TU - Tuli
WB - Welsh Black	WF - West Flemish Red
XX - Crossbreds	

CAPRINE	
AL - Alpine	AG - Angora
TO - Toggenburg	SA - Saanen
CH - Cashmere	BG - Boer
KR - Kalahari Reds	LN - La Mancha
NU - Nubian	SG - Savanna Goat

EQUINE	
AS - American Saddlebred	CL - Clydesdale
AP - Appaloosa	HA - Hackney (Horse)
AB - Arabian	HK - Hackney (Pony)
BL - Belgian	HU - Hunter
MN - Morgan	PL - Palomino
PE - Percheron	PN - Pinto
QH - Quarter Horse	SE - Shetland
SI - Shire	SN - Standardbred
SF - Suffolk Punch	TW - Tennessee Walking
TH - Thoroughbred	WE - Welsh

PORCINE	
YO - Yorkshire	DU - Duroc
LA - Landrace	LC - Lacombe
HA - Hampshire	PC - Poland Chine
BK - Berkshire	SO - Spotted
CW - Chester White	PE - Pietrain
TM - Tamworth	WS - Wessex Saddleback
LW - Large White (British)	LB - Large Black (British)

OVINE	
AN - Afrino	DM - Dohne Merino
BP - Blackhead Persian	DO - Dorset
BC - Border Cheviot	DR - Dormer
CO - Columbia	DP - Dorper
CR - Corriedale	FN - Finnish Landrace
DA - Damara	HA - Hampshire
IL - Ile de France	LE - Leicester
LI - Lincoln	ME - Merino
MT - Montadale	NC - N. Country Cheviot
OX - Oxford	SP - Persian (Speckled/Skilder)
RA - Rambouillet	RM - Romnelet
SB - Scottish Blackface	SR - Shropshire
MM - S. African Mutton Merino	ST - Southdown
SU - Suffolk	VR - Van Rooy
WD - White Dorper	