

**A1. CERTIFICATE OF EMBRYO RECOVERY or Oocyte Aspiration and IVM/IVF**  
 ACCOMMODATES NUCLEAR TRANSFER

Breed \_\_\_\_\_ Date of Aspiration \_\_\_\_\_  
 Ear Tag \_\_\_\_\_ Yr. Mo. Day  
 Donor Name \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ or Tattoo \_\_\_\_\_  
 Owner \_\_\_\_\_ Address \_\_\_\_\_  
 Onset \_\_\_\_\_ AM  
 Estrus Date \_\_\_\_\_ PM  
 (Invitro Fert.) Yr. Mo. Day  
 Service Sire \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ Breeding Date \_\_\_\_\_  
 (Out of Culture) Yr. Mo. Day  
 ID Code \_\_\_\_\_ Freeze Date or Batch No. \_\_\_\_\_ Sexed Semen X or Y \_\_\_\_\_ Recovery Date \_\_\_\_\_  
 Recovery No. \_\_\_\_\_  
 Service Sire \_\_\_\_\_ No. \_\_\_\_\_ CC \_\_\_\_\_ Total Recovered \_\_\_\_\_  
 ID Code \_\_\_\_\_ Freeze Date or Batch No. \_\_\_\_\_ Sexed Semen X or Y \_\_\_\_\_ No. Cleaved/Degen. \_\_\_\_\_  
 No. Unfertilized \_\_\_\_\_  
 No. Transferred \_\_\_\_\_  
 Signature \_\_\_\_\_ Firm \_\_\_\_\_ No. Frozen \_\_\_\_\_  
*Practitioner or Team Leader recovering Embryos or Oocytes and responsible for IVF/IVM* ET Code \_\_\_\_\_ No. Cloned \_\_\_\_\_

**B1. CERTIFICATE OF EMBRYO TRANSFER** (see reverse side for coding instructions)

**IF FROZEN**

Date of Embryo Transfer \_\_\_\_\_ Surgical \_\_\_\_\_ Non-surgical \_\_\_\_\_ Other \_\_\_\_\_ Freeze Date \_\_\_\_\_  
 Days since \_\_\_\_\_ Yr. Mo. Day on straw \_\_\_\_\_  
 Estrus of Donor \_\_\_\_\_ IVF \_\_\_\_\_ IVM \_\_\_\_\_ IN VIVO \_\_\_\_\_ Practitioner I.D. \_\_\_\_\_  
 (Please Check) Straw No.'s \_\_\_\_\_

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

RECIPIENT IDENTIFICATION	Breed Code	Days Since Estrus	Stage Code	Quality Code	Embryo Manipulated N,D,F,M or U	Straw No.	-----For NT Embryos-----			Comments*
							ETN No.	Recovery No.	NT Line	
1. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

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

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

## CONDITIONS FOR COMPLETING EMBRYO CERTIFICATES

- A1. Complete one or more Certificates of Embryo Recovery/Oocyte Aspiration 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 the 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 or IVF and all the information is true and correct.
- B1. 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 embryo production team leader 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 ½ 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.

1. **NT Line** - A two-digit number that identifies an originally recovered parent embryo. These will be numbered sequentially with two digits within a numbered recovery.
2. **Recovery Number** - Recoveries will be numbered sequentially by each practitioner or embryo transfer company regardless of breed. This is a four- or five-digit number, that could go to five, and the word "recovery" will be used in preference to the word "flush". No other word can be used in its place, such as "certificate number".
3. **ETN Number** - Is the number assigned each embryo in the sequence of production through nuclear transfer within one NT line regardless of generation.
4. **Unique Number of Straw for NT embryos** - This will include the ETN number followed by the letter "N" in turn followed by the Recovery Number and with this followed by the NT line. The ETN number will be at the top of the straw reading from left to right. The remainder of the existing recommended straw-labeling procedure will remain in place.

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

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

### SEXED SEMEN

X - Female    Y - Male

### BOVINE

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

### CAPRINE

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

### EQUINE

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

### PORCINE

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

### OVINE

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