



## CONDITIONS FOR COMPLETING EMBRYO CERTIFICATES

A2. Complete one or more Certificates of Oocyte 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 leader of the embryo production team or practitioner responsible for recovering the oocytes and signing the certificate is attesting to the fact that the female donor was identified with her official Certificate of Registration and that the information is true and correct.

The Leader of the embryo production team responsible for IVM/IVF signing the certificate is attesting to the fact that the complete name and number of the bull is shown with respective bull's identification code and freeze date or batch number shown on the straw from which frozen semen was taken with a new certificate for each bull used for IVF for one recovery and that all information shown is true and correct.

C2. The Certificate of Freezing of In Vitro Produced Embryos will be completed with the Certificate of Oocyte Recovery and IVM/IVF whenever embryos are frozen. The leader of the embryo production team freezing the embryos that signs the certificate is attesting to the identification of each embryo with straws, goblets and canes labeled as set forth within the certificate as recommended by IETS in Chapter 9 of the 3<sup>rd</sup> Edition 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.

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

### BOVINE

AN - Aberdeen Angus	BZ - Bonsmara	GS - Gascone	MR - Marchigiana	RO - Rotbunte
AB - Abondance	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	HY - Hybrid (Alberta Hybrid)	PR - Pie Rouge	SX - Sussex
BX - Boran	FP - East Flemish Red Pied	IB - Ibage	PZ - Pinzgauer	TA - Tarentaise
BO - Braford	ER - Eringer	IN - Indu Brasil	RA - Ranger	TG - Tasmanian Grey
BR - Brahman	FA - Flamand	JE - Jersey	AR - Red Angus	TL - Texas Longhorn
BH - Brahmental	FL - Fleckvieh	KB - Kobe (Wagyu)	RB - Red Brangus	TU - Tuli
BL - Braler	FR - Fribourg	LU - Luing	RD - Red Dane (Red Danish, Danish Red)	WB - Welsh Black
BN - Brangus	FB - Friesian (Belgian)	LM - Limousin	WW - Red Holstein	WF - West Flemish Red
BU - Braunvieh	DF - Friesian (Dutch)	LR - Lincoln Red	RP - Red Poll	XX - Crossbreds
SB - Brown Swiss (beef)	GA - Galloway (beef)	MA - Maine-Anjou	RN - Romagnola	
BS - Brown Swiss (dairy)	GD - Galloway (dairy)			

### 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	