

CONDITIONS FOR COMPLETING EMBRYO CERTIFICATES

A4. Complete one or more Certificates of Oocyte Recovery and IVM/IVF for Transgenic Embryos (Oocyte or Sperm Mediated Transgenesis) 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 identification (Registration) and that the information is true and correct.

The leader of the embryo production team responsible for IVM/IVF of transgenic embryos 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. A new certificate must be completed for each bull used for IVF for one recovery that accurately describes DNA modification of sperm and/or oocytes shown and that all information shown is true and correct to the extent not guarded by patent or intellectual property rights.

C4. The Certificate of Embryo Freezing of Transgenic Embryos will be completed with the Certificate of Embryo Production, 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 labeling as set forth within the Certificate, along with the accuracy of all other information.

One copy of the complete Certificate of Embryo Transfer of Transgenic Embryos, with Certificate of Freezing, is submitted to the appropriate breed association or recording agency as required by the respective organization. This record may be required before resulting animals can be registered or officially identified. One copy should be provided to the owner.

When a frozen embryo changes ownership, it is important that the requirements of the respective breed organization or recording agency responsible for recording the identification of the new owner be followed. This may be required before resulting animals 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 is submitted to the respective breed organization in the country from which embryos are exported, 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
No. Stage 1 Unfertilized 2 2- to 12-cell 3 Early Morula 4 Morula 5 Early Blastocyst 6 Blastocyst 7 Expanded Blastocyst 8 Hatched Blastocyst 9 Expanded Hatched Blastocyst	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.	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.	February March April May June July August September October November December	FE MR AP MY JN JY AU SE OC NO DE

SEXED SEMEN

X - Female Y - Male

BOVINE

AN - Aberdeen Angus AB - Abundance AF - Afrikaner AK - Ankole AY - Ayrshire BA - Barzona BE - Beefalo BF - Beef Friesian BM - Beefmaster BB - Belgian Blue BG - Belted Galloway BD - Blonde D'Aquitaine BX - Boran BO - Braford BR - Brahman BH - Brahmental BL - Braler BN - Brangus BU - Braunvieh SB - Brown Swiss (beef) BS - Brown Swiss (dairy)	BZ - Bonsmara CP - Campine Red Pied CN - Canadienne CB - Charbray CH - Charolais CA - Chianina DB - Danish Black & White DJ - Danish Jersey RW - Danish Red & White DE - Devon DR - Dexter DZ - Drakensberger FP - East Flemish Red Pied ER - Eringer FA - Flamand FL - Fleckvieh FR - Fribourg FB - Friesian (Belgian) DF - Friesian (Dutch) GA - Galloway (beef) 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 - Luving 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
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CAPRINE

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

AS - American Saddlebred AP - Appaloosa AB - Arabian BL - Belgian	CL - Clydesdale HA - Hackney (Horse) HK - Hackney (Pony) 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
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PORCINE

YO - Yorkshire LA - Landrace HA - Hampshire	DU - Duroc LC - Lacombe 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)
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OVINE

AN - Afrino BP - Blackhead Persian BC - Border Cheviot CO - Columbia CR - Corriedale DA - Damara	DM - Dohne Merino DO - Dorset DR - Dormer DP - Dorper FN - Finnish Landrace 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
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