

A4b1. CERTIFICATE OF SOURCE OF NUCLEAR DNA - CELL LINE IDENTIFICATION FOR TRANSGENIC EMBRYOS

BREED OF SOURCE GENOME: _____

Laboratory Lot No: _____
Sequential within laboratory

SOURCE OF NUCLEAR DNA CELLS (TISSUE) - check one:

- 1 Animal - Name: _____ Reg. No.: _____ CC _____ Ear Tag or Tattoo: _____
Sex: M F
- 2 Fetus sex: M F 3 Embryo sex: M F Nuclear Cell Line Recovery Date: _____
Maternal and Paternal Sources shown below Year Month Day
Use IETS Forms A, B, C for production of Fetus or Embryo
- 4 Other - Describe or identify: _____

Maternal Source of DNA (Dam of Embryo or Fetus) – omit if checked No. 1 above

Name: _____ Reg. No.: _____ CC _____ Breed: _____ Ear Tag or Tattoo: _____
Owner: Name: _____ Address: _____

Paternal Source of DNA (Sire of Embryo or Fetus) – omit if checked No. 1 above

Name: _____ Reg. No.: _____ CC _____ AI I.D. Code: _____ Freeze Batch No.: _____
Signature: _____ Firm: _____
Practitioner or Team Leader recovering cells

ET Code: _____ Phone: () _____

Details of transgenic and genetic modification _____

CELL ISOLATION, CULTURE, REPLICATION

Date cells entered culture for replication or entered other replication process: _____
Year Month Day

Date cells modified by transfection or other processes: _____
Year Month Day

Frozen? Yes No DNA Genotyped? Yes No

Is there a tissue bank? Yes No Is there a cell bank? Yes No

CELL LINE ID: _____

Signature: _____ Firm: _____
Leader of Processing Team

ET Code: _____ Phone: () _____

CELL CULTURE MOVEMENT

Movement of cells from this cell line must be accompanied with a copy of this form as originally completed with the following information. A copy should go to appropriate breed office or recording agency as well as to receiver of cells.

PASSAGE Number _____ from which cells are taken for movement (zero, first, second, etc.)

Name of practitioner or laboratory receiving cells _____

Address _____ Phone: () _____

Date of movement or sale _____

Signature: _____ Firm: _____
Owner or person authorized to sign for owner

ET Code: _____ Phone: () _____

CONDITIONS FOR COMPLETING EMBRYO CERTIFICATES

A4b1. Complete Certificate of Source of Nuclear DNA - Cell Line Identification for Transgenic Embryos for each cell line created. Precede registration numbers of donor dam and donor sire(s) with the International Standards Organization (ISO) three letter country codes (cc). The practitioner or team leader recovering cells for development of a cell line is responsible for identifying the animal with official identifying certificate when cells are taken from an adult or identifying the male and female creating a fetus or embryo from which cells are recovered, through the use of applicable official record systems or other records that permit certifying to the identification of each of the animals contributing to the cell line nuclear DNA.

The leader of the processing team responsible for replication of cells of nuclear material, DNA genotyping, storage of cell line, cell line bank, tissue bank, modification and cell line identification is certifying that the information given is true and correct when signing the certificate.

One copy of a complete Certificate of Source of Nuclear DNA - Cell Line Identification for Transgenic Embryos is to be submitted to the appropriate breed organization or recording agency. This record may be required before resulting animals can be registered or officially identified. One copy should be provided to the owner.

Should any cells from the cell line identified hereon change ownership, it is important that the Cell Culture Movement section be completed on a copy of Form A4b1 as originally completed with a copy of this form completed for entity receiving cells and a copy also sent to the respective breed organization or recording agency for recording the identification of the new owner. This may be required before resulting animals can be registered or officially identified. This will be the responsibility of the owner of record and such owner or authorized agent is certifying that the record is complete and has the authority to transfer ownership of cells from the cell line identified hereon. Cell line identification will not change at any time.

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

January	JA
February	FE
March	MR
April	AP
May	MY
June	JN
July	JY
August	AU
September	SE
October	OC
November	NO
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 - Brahmmental	FL - Fleckvieh	KB - Kobe (Wagyu)	RB - Red Brangus	TU - Tuli
BL - Braler	FR - Fribourg	LU - Luving	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	