

# Animal Reproductive Technologies

Phone: 970-539-0957  
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Patrick J. Hemming DVM  
43010 County Road 115  
New Raymer, CO 80742

## A. CERTIFICATE OF EMBRYO RECOVERY

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Breed: SH  
Donor ID.: ALICE Other ID:  
Donor Name: Pitcher Mtn Alice Reg. No.: 23983 Tag/Tattoo: ALICE / CF70B /  
Flush No: 1605

Owner: Thorbardin Ranch LLC, Vaillancourt, Joseph  
Address: 1038 Greub Road, P.O. Box 160  
Buffalo, WY 82834 USA  
Estrus Date: 01/21/2003  
Onset Time: am.  
Breeding Date: 01/14/2003  
Recovery Date: 01/23/2003

Service Sire: Thorbardin's Gandolf Reg. No.: 30569  
I.D. Code: 59SH10 Freeze date/Batch No.:  
No. Recovered: 28  
No. Transferred: 0  
No. Frozen: 15

Signature:   
Practitioner Recovering Embryos  
Patrick J. Hemming DVM  
Firm: Animal Reproductive Technologies  
ET Code: 773 Phone: 970-539-0957

## C. CERTIFICATE OF FREEZING

Type of container : 1/4 ml Straw  
Each container is labeled to show: Firm Code, Breed, Reg. No. of donor, Freeze Date, and Straw# (No frozen embryos have been divided)  
Days since Estrus of Donor, (Embryo Age) : 2.00

Cane Code or Number	Straw No.	No. Emb.	Code Stage	Code Qual.	No. X Washed	Trypsin	Zona Intact	Location	Comments	Out To	Thaw or Ship Date
773 1605	1	1	5	1.0	10	N	Y	7/2			
773 1605	2	1	5	1.0	10	N	Y	7/2			
773 1605	3	1	5	1.0	10	N	Y	7/2			
773 1605	4	1	5	1.0	10	N	Y	7/2			
773 1605	5	1	5	1.0	10	N	Y	7/2			
773 1605	6	1	5	1.0	10	N	Y	7/2			
773 1605	7	1	5	1.0	10	N	Y	7/2			
773 1605	8	1	4	1.0	10	N	Y	7/2			
773 1605	9	1	4	1.0	10	N	Y	7/2			
773 1605	10	1	4	1.0	10	N	Y	7/2			
773 1605	11	1	4	1.0	10	N	Y	7/2			
773 1605	12	1	4	2.0	10	N	Y	7/2			
773 1605	13	1	4	2.0	10	N	Y	7/2			
773 1605	14	1	4	2.0	10	N	Y	7/2			
773 1605	15	1	4	2.0	10	N	Y	7/2			

Time : recovery to onset of freezing : 1.50 (Hr) Cryoprotectant & Conc. : 1.5 MEG

Cooling Procedure: Embryos placed in MDPBS+.4%BSA+cryoprotectant, equilibrated 10 Min.  
into freezer @ -6.0; wait 3 minutes, seed, wait 10 minutes, run cooling program

Seed Temp: -6.00 (deg.C.) Cooling Rate : -0.50 (deg.C./min.) Plunge Temp. : -31.00 (deg.C.)

Method of thaw: Remove from LN2, air thaw 7 Sec., 30 Deg.C. water for 30 Sec., dry straw  
Remove the plug with the ID straw. Load the 1/4ml straw with the embryo  
into a transfer gun and transfer within 5 Min. of thawing.

Signature:   
Practitioner freezing embryos  
Patrick J. Hemming DVM  
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