

SUMMARY OF EMBRYO TRANSFER ACTIVITY IN CANADA FOR 2010

Prepared by Dr. Reuben Mapletoft, University of Saskatchewan & Karen McDermott, CETA/ACTE
(Based on data from 66 clinics across Canada)

BOVINE DATA			
<i>(Based on data from 64 clinics across Canada)</i>			
BOVINE – IN VIVO			
DONORS - EMBRYOS COLLECTED - EMBRYOS FROZEN	DAIRY	BEEF	TOTAL NUMBER
Total number of donors	10,821	2,135	12,956
Total number of ova/embryos collected	126,351	29,898	156,249
Total number of transferable embryos collected	73,732	15,472	89,204
Total number of embryos frozen	47,784	12,494	60,278
EMBRYOS TRANSFERRED	DAIRY	BEEF	TOTAL NUMBER
Number of fresh embryos transferred	24,869	1,981	26,850
Number of fresh sexed embryos transferred	1,891	41	1,932
Number of frozen embryos transferred	23,533	4,959	28,492
Number of frozen sexed embryos transferred	1,818	47	1,865
Total number of Direct Transfers	---	---	28,107
PREGNANCY RATES	DAIRY	BEEF	TOTAL NUMBER
Fresh Embryos <i>(based on 13,066 transfers examined for pregnancy)</i>	---	---	58.3 %
Frozen Embryos <i>(based on 14,761 transfers examined for pregnancy)</i>	---	---	57.4 %
EMBRYO MOVEMENT	DAIRY	BEEF	TOTAL NUMBER
Total number of embryos exported	8,178	4,894	13,072
Total number of embryos imported	152	147	299
BOVINE – IN VITRO (IVF)			
EMBRYOS COLLECTED - EMBRYOS FROZEN	DAIRY	BEEF	TOTAL NUMBER
Number of embryos produced by OPU	1,448	0	1,448
Number of embryos produced from abattoir ovaries	4,928	1,232	6,160
Number of embryos frozen	32	0	32
IVF EMBRYOS TRANSFERRED	DAIRY	BEEF	TOTAL NUMBER
Number of fresh IVF embryos transferred	818	0	818
Number of frozen IVF embryos transferred	32	0	32
EMBRYO MOVEMENT	DAIRY	BEEF	TOTAL NUMBER
Total number of IVF embryos exported	0	0	0

BOVINE DATA	
BOVINE – OTHER TECHNOLOGIES	TOTAL NUMBER
Total number of split embryos transferred	1,605
Total number of embryos biopsied for sexing	4,880
Total number of embryos biopsied for genetic testing	80

ALTERNATIVE SPECIES			
<i>(Based on data from 4 clinics across Canada)</i>			
ALTERNATIVE SPECIES – IN VIVO			
DONORS - EMBRYOS COLLECTED - EMBRYOS FROZEN	EQUINE	CAPRINE	OVINE
Total number of donors	42	11	68
Total number of ova/embryos collected	39	178	533
Total number of transferable embryos collected	32	111	335
Total number of embryos frozen	0	27	307
EMBRYOS TRANSFERRED	EQUINE	CAPRINE	OVINE
Total number of fresh embryos transferred	32	84	28
Total number of frozen embryos transferred	0	0	54
STORAGE - EMBRYO MOVEMENT	EQUINE	CAPRINE	OVINE
Total number of embryos exported	0	20	624
Total number of embryos imported	0	0	50
NO DATA REPORTED FOR CERVIDS OR PORCINE SPECIES			