

SUMMARY OF EMBRYO TRANSFER ACTIVITY IN CANADA FOR 2013

Prepared by Dr. Reuben Mapletoft, University of Saskatchewan & Karen McDermott, CETA/ACTE
(Based on data from 77 clinics across Canada)

BOVINE DATA

(Based on data from 72 clinics across Canada)

BOVINE: IN VIVO DATA

DONORS - EMBRYOS COLLECTED - EMBRYOS FROZEN	DAIRY	BEEF	TOTAL NUMBER
Total number of donors	9,952	2,112	12,064
Total number of ova/embryos collected	114,190	31,460	145,650
Total number of transferable embryos collected	68,215	16,725	84,940
Total number of embryos frozen	44,698	13,664	58,362
EMBRYOS TRANSFERRED	DAIRY	BEEF	TOTAL NUMBER
Number of fresh embryos transferred	22,910	2,248	25,158
Number of fresh sexed embryos transferred	980	25	1,005
Number of frozen embryos transferred	25,430	5,447	30,877
Number of frozen sexed embryos transferred	858	28	886
Total number of Direct Transfers	24,269	5,367	29,636
PREGNANCY RATES	DAIRY	BEEF	TOTAL NUMBER
Fresh embryos <i>(based on 12,294 transfers examined for pregnancy)</i>	---	---	58.3 %
Frozen embryos <i>(based on 15,381 transfers examined for pregnancy)</i>	---	---	55.3 %
EXPORT / IMPORT	DAIRY	BEEF	TOTAL NUMBER
Total number of embryos exported	8,244	4,514	12,758
Total number of embryos imported	56	202	258

BOVINE: IN VITRO (IVF) DATA

SESSIONS - COLLECTED - FROZEN	Produced by OPU		Produced from ABATTOIR OVARIES	TOTAL NUMBER
	DAIRY	BEEF	DAIRY	
Number of collections	2,248	38	---	2,286
Number of oocytes collected	20,345	305	300	20,950
Number of transferable IVF embryos produced	8,155	143	15	8,313
Number of IVF embryos frozen	1,917	65	---	1,982
IVF EMBRYOS TRANSFERRED	DAIRY	BEEF	DAIRY	TOTAL NUMBER
Number of fresh IVF embryos transferred	3,066	45	---	3,111
Number of frozen IVF embryos transferred	447	9	5	461
EXPORT / IMPORT	DAIRY	BEEF	DAIRY	TOTAL NUMBER
Total number of IVF embryos exported	122	0	0	122

BOVINE DATA	
BOVINE – OTHER TECHNOLOGIES	TOTAL NUMBER
Total number of split embryos transferred	1,070
Total number of embryos biopsied for sexing	3,067
Total number of embryos biopsied for genetic testing	147
Total number of embryos biopsied for diagnostic testing	---

ALTERNATIVE SPECIES				
<i>(Based on data from 5 clinics across Canada)</i>				
ALTERNATIVE SPECIES – IN VIVO				
DONORS - EMBRYOS COLLECTED - EMBRYOS FROZEN	CERVINE	EQUINE	OVINE	PORCINE
Total number of donors	49	71	11	12
Total number of ova/embryos collected	377	---	96	---
Total number of transferable embryos collected	226	49	78	118
Total number of embryos frozen	69	---	0	---
EMBRYOS TRANSFERRED	CERVINE	EQUINE	OVINE	PORCINE
Total number of fresh embryos transferred	157	49	78	279
Total number of frozen embryos transferred	0	---	0	---
EXPORT / IMPORT	CERVINE	EQUINE	OVINE	PORCINE
Total number of embryos exported	0	0	0	118
Total number of embryos imported	0	0	0	279
NO DATA REPORTED FOR BISON OR CAPRINE SPECIES				