

SUMMARY OF EMBRYO TRANSFER ACTIVITY IN CANADA FOR 2016

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(Based on data from 67 clinics across Canada)

BOVINE DATA			
<i>(Based on data from 65 clinics across Canada)</i>			
BOVINE: IN VIVO DATA			
DONORS – EMBRYOS – FROZEN - TRANSFERS	DAIRY	BEEF	TOTAL NUMBER
Total number of donors	6,999	2,478	9,477
<ul style="list-style-type: none"> ▪ Number of donors using conventional semen ▪ Number of donors using sexed semen 	5,838	2,468	8,306
	1,161	10	1,171
Total number of ova/embryos collected	78,496	35,810	114,306
Total number of transferable embryos collected	45,947	18,360	64,307
<ul style="list-style-type: none"> ▪ Number of transferable embryos collected using conventional semen ▪ Number of transferable embryos collected using sexed semen 	39,784	18,308	58,092
	6,163	52	6,215
Total number of embryos frozen	30,395	14,942	45,337
Total number of fresh embryos transferred	14,762	2,642	17,404
<ul style="list-style-type: none"> ▪ Number of fresh sexed embryos transferred (<i>sexed by biopsy</i>) ▪ Number of fresh sexed embryos transferred (<i>sexed using sexed semen</i>) ▪ Total number of fresh sexed embryos transferred 	593	11	604
	2,141	14	2,155
	2,734	25	2,759
Total number of frozen embryos transferred	18,825	8,194	27,019
<ul style="list-style-type: none"> ▪ Number of Direct Transfers ▪ Number of frozen sexed embryos transferred (<i>sexed by biopsy</i>) ▪ Number of frozen sexed embryos transferred (<i>sexed using sexed semen</i>) ▪ Total number of frozen sexed embryos transferred 	17,975	8,117	26,092
	550	66	616
	958	3	961
	1,508	69	1,577
PREGNANCY RATES	DAIRY	BEEF	TOTAL NUMBER
Fresh embryos (<i>based on 8,427 transfers examined for pregnancy</i>)	---	---	59.2%
Frozen embryos (<i>based on 10,702 transfers examined for pregnancy</i>)	---	---	56.2%
EXPORT / IMPORT	DAIRY	BEEF	TOTAL NUMBER
Total number of embryos exported	5,135	3,804	8,939
Total number of embryos imported	18	373	391
BOVINE – OTHER TECHNOLOGIES (IN-VIVO):			TOTAL NUMBER
Total number of split embryos transferred			894
Total number of embryos biopsied for sexing			1,772

BOVINE: IN VITRO (IVF) DATA				
OPU/IVF SESSIONS – OOCYTES - EMBRYOS PRODUCED	Produced by OPU Super-Stimulated		Produced from ABATTOIR OVARIES	TOTAL NUMBER
	DAIRY	BEEF		
Total number of sessions	3,623	212	0	3,835
▪ Number of sessions using conventional semen	2,629	171	0	2,800
▪ Number of sessions using sexed semen	994	41	0	1,035
Total number of oocytes collected	35,352	2,309	0	37,661
Total number of transferable IVF embryos produced	14,887	1,158	0	16,045
IVF EMBRYOS FROZEN - TRANSFERRED - EXPORTED	Produced by OPU		Produced from ABATTOIR OVARIES - DAIRY	TOTAL NUMBER
	DAIRY	BEEF		
Total number of IVF embryos frozen	5,833	757	0	6,590
Total number of fresh IVF embryos transferred	6329	46	0	6,375
Total number of frozen IVF embryos transferred	1,555	269	12	1,836
Total number of IVF embryos exported	494	0	0	494
BOVINE – OTHER TECHNOLOGIES (IN-VITRO)				TOTAL NUMBER
Total number of IVF embryos biopsied for sexing and/or genetic testing				964

ALTERNATIVE SPECIES				
<i>(Based on data from 4 clinics across Canada)</i>				
ALTERNATIVE SPECIES – IN VIVO				
DONORS - EMBRYOS – FROZEN - TRANSFERS	CAPRINE	EQUINE	OVINE	PORCINE
Total number of donors	9	20	105	0
Total number of ova/embryos collected	132	---	1562	0
Total number of transferable embryos collected	110	10	1011	0
Total number of embryos frozen	38	1	962	0
Total number of fresh embryos transferred	72	9	0	378
Total number of frozen embryos transferred	0	1	0	0
EXPORT / IMPORT	CAPRINE	EQUINE	OVINE	PORCINE
Total number of embryos exported	0	0	0	0
Total number of embryos imported	0	1	0	378
NO DATA REPORTED FOR CERVINE OR BISON SPECIES				