

SUMMARY OF EMBRYO TRANSFER ACTIVITY IN CANADA FOR 2017

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(Based on data from 66 clinics across Canada)

BOVINE DATA			
<i>(Based on data from 63 clinics across Canada)</i>			
BOVINE: IN VIVO DATA			
DONORS – EMBRYOS – FROZEN - TRANSFERS	DAIRY	BEEF	TOTAL NUMBER
Number of donors using conventional semen	4,863	2,917	7,780
Number of donors using sexed semen	1,776	4	1,780
TOTAL NUMBER OF DONORS	6,639	2,921	9,560
Total number of ova/embryos collected	73,591	40,262	113,853
Number of transferable embryos collected using conventional semen	32,112	22,894	55,006
Number of transferable embryos collected using sexed semen	10,119	20	10,139
TOTAL NUMBER OF TRANSFERABLE EMBRYOS COLLECTED	42,231	22,914	65,145
TOTAL NUMBER OF EMBRYOS FROZEN	28,035	18,889	46,924
TOTAL NUMBER OF FRESH EMBRYOS TRANSFERRED	13,494	3,254	16,748
<ul style="list-style-type: none"> ▪ Number of fresh sexed embryos transferred (<i>sexed by biopsy</i>) 	242	17	259
<ul style="list-style-type: none"> ▪ Number of fresh sexed embryos transferred (<i>sexed using sexed semen</i>) 	3,118	0	3,118
<ul style="list-style-type: none"> ▪ Total number of fresh sexed embryos transferred 	3,360	17	3,377
TOTAL NUMBER OF FROZEN EMBRYOS TRANSFERRED	17,612	9,452	27,064
<ul style="list-style-type: none"> ▪ Number of Direct Transfers 	16,995	8,984	25,979
<ul style="list-style-type: none"> ▪ Number of frozen sexed embryos transferred (<i>sexed by biopsy</i>) 	273	14	287
<ul style="list-style-type: none"> ▪ Number of frozen sexed embryos transferred (<i>sexed using sexed semen</i>) 	1,356	3	1,359
<ul style="list-style-type: none"> ▪ Total number of frozen sexed embryos transferred 	1,629	17	1,646
PREGNANCY RATES	DAIRY	BEEF	TOTAL NUMBER
Fresh embryos (<i>based on 7,375 transfers examined for pregnancy</i>)	---	---	59.9%
Frozen embryos (<i>based on 9,902 transfers examined for pregnancy</i>)	---	---	54.1%
EXPORT / IMPORT	DAIRY	BEEF	TOTAL NUMBER
Total number of embryos exported	4,830	4,319	9,149
Total number of embryos imported	18	548	566
BOVINE – OTHER TECHNOLOGIES (IN-VIVO):			TOTAL NUMBER
Total number of split embryos transferred			628
Total number of embryos biopsied for sexing			678

BOVINE: IN VITRO (IVF) DATA				
OPU/IVF SESSIONS – OOCYTES - EMBRYOS PRODUCED	Produced by OPU Super-Stimulated		Produced from ABATTOIR OVARIES	TOTAL NUMBER
	DAIRY	BEEF		
Number of sessions using conventional semen	2001	162	0	2163
Number of sessions using sexed semen	851	44	0	895
TOTAL NUMBER OF SESSIONS	2,852	206	0	3,058
Total number of oocytes collected	41,252	2,754	0	44,006
Total number of transferable IVP embryos produced	19,004	1,385	0	20,389
IVF EMBRYOS FROZEN - TRANSFERRED - EXPORTED	Produced by OPU		Produced from ABATTOIR OVARIES	TOTAL NUMBER
	DAIRY	BEEF		
Total number of IVP embryos frozen	7,493	778	0	8,271
Total number of fresh IVP embryos transferred	6,234	151	0	6,385
Total number of frozen IVP embryos transferred	2,413	723	0	3,136
Total number of IVP embryos exported	591	0	0	591
Total number of IVP embryos imported	0	323	0	323
BOVINE – OTHER TECHNOLOGIES (IN-VITRO)				TOTAL NUMBER
Total number of IVP embryos biopsied for sexing and/or genetic testing				563

ALTERNATIVE SPECIES			
<i>(Based on data from 4 clinics across Canada)</i>			
ALTERNATIVE SPECIES – IN VIVO			
DONORS - EMBRYOS – FROZEN - TRANSFERS	CAPRINE	EQUINE	OVINE
Total number of donors	9	19	133
Total number of ova/embryos collected	151	11	2066
Total number of transferable embryos collected	91	11	1259
Total number of embryos frozen	21	5	1111
Total number of fresh embryos transferred	70	6	46
Total number of frozen embryos transferred	12	3	0
EXPORT / IMPORT	CAPRINE	EQUINE	OVINE
Total number of embryos exported	0	0	969
Total number of embryos imported	0	0	0
NO DATA REPORTED FOR PORCINE, CERVINE OR BISON SPECIES			