

SUMMARY OF EMBRYO TRANSFER ACTIVITY IN CANADA FOR 2015

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(Based on data from 71 clinics across Canada)

BOVINE DATA			
<i>(Based on data from 67 clinics across Canada)</i>			
BOVINE: IN VIVO DATA			
DONORS	DAIRY	BEEF	TOTAL NUMBER
Total number of donors using conventional semen	7,227	2,355	9,582
Total number of donors using sexed semen	541	5	546
TOTAL NUMBER OF DONORS	7,768	2,360	10,128
EMBRYOS COLLECTED - EMBRYOS FROZEN	DAIRY	BEEF	TOTAL NUMBER
Total number of ova/embryos collected	84,178	30,636	114,814
Total number of transferable embryos collected	51,374	16,148	67,522
Total number of embryos frozen	34,393	13,219	47,612
EMBRYOS TRANSFERRED	DAIRY	BEEF	TOTAL NUMBER
Total number of fresh embryos transferred	16,855	2,380	19,235
Number of fresh sexed embryos transferred	869	22	891
Total number of frozen embryos transferred	21,043	6,555	27,598
Number of frozen sexed embryos transferred	617	36	653
Total number of Direct Transfers	20,556	6,414	26,970
PREGNANCY RATES	DAIRY	BEEF	TOTAL NUMBER
Fresh embryos <i>(based on 9,667 transfers examined for pregnancy)</i>	---	---	58.7%
Frozen embryos <i>(based on 13,017 transfers examined for pregnancy)</i>	---	---	53.8%
EXPORT / IMPORT	DAIRY	BEEF	TOTAL NUMBER
Total number of embryos exported	5,408	2,374	7,782
Total number of embryos imported	58	173	231
BOVINE – OTHER TECHNOLOGIES (IN-VIVO):			TOTAL NUMBER
Total number of split embryos transferred			1,110
Total number of embryos biopsied for sexing			1,218

BOVINE: IN VITRO (IVF) DATA						
IVF SESSIONS – OOCYTES - EMBRYOS PRODUCED	Produced by OPU Non-Stimulated		Produced by OPU Stimulated		Produced from ABATTOIR OVARIES	TOTAL NUMBER
	DAIRY	BEEF	DAIRY	BEEF		
Number of sessions/collections using conventional semen	19	0	1540	33	----	1592
Number of sessions/collections using sexed semen	3	0	666	18	----	687
Number of oocytes collected	194	0	21,330	384	9072	30,980
Number of transferable IVF embryos produced	54	0	8839	145	362	9,400
IVF EMBRYOS FROZEN - TRANSFERRED - EXPORTED						
	Produced by OPU		Produced from ABATTOIR OVARIES DAIRY	TOTAL NUMBER		
	DAIRY	BEEF				
Total number of IVF embryos frozen	2,772	73	329	3,174		
Total number of fresh IVF embryos transferred	4,268	41	0	4,309		
Total number of frozen IVF embryos transferred	1,793	51	22	1,866		
Total number of IVF embryos exported	172	0	0	172		
BOVINE – OTHER TECHNOLOGIES (IN-VITRO)				TOTAL NUMBER		
Total number of IVF embryos biopsied for sexing & genetic testing				337		

BOVINE: IN VITRO (IVF) RESEARCH DATA	
IVF SESSIONS - COLLECTED	IVF EMBRYOS Produced by OPU DAIRY
Number of sessions/collections	618
Number of oocytes collected	6,056

ALTERNATIVE SPECIES <i>(Based on data from 6 clinics across Canada)</i>				
ALTERNATIVE SPECIES – IN VIVO				
DONORS - EMBRYOS COLLECTED - EMBRYOS FROZEN	CERVINE	EQUINE	OVINE	PORCINE
Total number of donors	14	34	14	0
Total number of ova/embryos collected	---	20	112	0
Total number of transferable embryos collected	80	18	69	0
Total number of embryos frozen	0	0	46	0
EMBRYOS TRANSFERRED	CERVINE	EQUINE	OVINE	PORCINE
Total number of fresh embryos transferred	80	18	0	395
Total number of frozen embryos transferred	0	1	0	0
EXPORT / IMPORT	CERVINE	EQUINE	OVINE	PORCINE
Total number of embryos exported	0	0	0	0
Total number of embryos imported	100	0	0	395
NO DATA REPORTED FOR CAPRINE OR BISON SPECIES				