

Summary of Embryo Transfer Activity in Canada for the year 2000

Prepared by Dr. Reuben Mapleoft, University of Saskatchewan

(Based on data from 64 Veterinary clinics across Canada)

BOVINE:

Total number of dairy donors	9540	(74% of bovine donors are dairy)
Total number of beef donors	3347	(26% of bovine donors are beef)
Total number of donors	12887	
Total number of embryos collected	83549	or 6.48 embryos/donor
Total number of embryos frozen	56728	
Total number of embryos transferred:		
Fresh	23579	with 14652 pregnancies or 62.1% pregnancy rate
Frozen	24644	with 14524 pregnancies or 58.9% pregnancy rate
Total number of embryos in storage	43569	
Number of embryos exported	12386	
Number of embryos imported	667	
Total number of direct transfers	22072	with 12715 pregnancies or 57.6% pregnancy rate (90% of all frozen embryos transferred were by direct transfer)

BOVINE – IVF:

Total number of embryos transferred:		
Fresh	314	with 150 pregnancies or 48.0% pregnancy rate
Frozen	238	with 87 pregnancies or 37.0% pregnancy rate

OTHER SPECIES:

	CAPRINE	CERVID	EQUINE	OVINE	PORCINE
Total number of donors	42	204	65	70	2
Total number of embryos collected	286	656	101	598	85
Total number of embryos frozen	28	353	46	31	
Total number of embryos transferred:					
Fresh	93	213	54	480	5
Pregnancies	64	161	43	247	5
Frozen	9	521	25	138	
Pregnancies	6	305	12	69	
Total number of embryos in storage		75	22	379	
Total number of embryos exported		252			
Total number of embryos imported	84	227		366	
Total number of direct transfers			16	12	
Total number of pregnancies			7	6	
Pregnancy results: Fresh embryos	68.8%	75.6%	79.6%	51.5%	100%
Frozen embryos	66.7%	58.5%	48.0%	50.0%	

OTHER SPECIES – IVF:

CERVID/OVINE

Total number of embryos transferred:	
Fresh	480
Pregnancies	195 or 40.6% pregnancy rate
Frozen	154
Pregnancies	80 or 51.9% pregnancy rate