

1. Record Nr.	UNISA996202076203316
Titolo	The freezing of mammalian embryos // sponsored by the Ciba Foundation
Pubbl/distr/stampa	Amsterdam, : Elsevier/Excerpta Medica/North-Holland New York, : Elsevier North-Holland, 1977
ISBN	1-280-78364-8 9786613694034 0-470-72033-6 0-470-71802-1
Descrizione fisica	1 online resource (ix, 330 pages) : illustrations
Collana	Ciba Foundation symposium (new series) ; ; 52
Disciplina	599/.03/3028
Soggetti	Mammals - Embryology Cryobiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on the Freezing of Mammalian Embryos, held at The Ciba Foundation, London, 18th-20th January 1977"--Participants page.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	The Freezing of Mammalian Embryos; Contents; Introduction; The freezing of mammalian embryos: perspectives and possibilities; Discussion; Slow-freezing injury in mammalian cells; Discussion; Effects of interactions between cooling and rewarming conditions on survival of cells; Discussion; Fundamental cryobiology of mouse ova and embryos; Discussion; Some factors affecting embryo storage in laboratory animals; Discussion; Transport mechanisms in the preimplantation mammalian embryo; Discussion; The effect of temperature on the lateral diffusion of plasma membrane proteins; Discussion Factors affecting the survival of sheep embryos during deep-freezing and thawing Appendix; Transplantation of sheep and cattle embryos after storage at -196° c (S . M. WILLADSEN, C. POLGE, A. O. TROUNSON and L. E. A; Discussion; Frozen storage of embryos of farm animals: progress and implications; Discussion; General discussion; Freezing techniques for embryos; Ultra structural developmental changes; Freezing of advanced blastocysts of the cow; Freezing of pancreatic

cells; The relevance of the frozen storage of human embryos in clinical practice; Discussion
Genetic stability in cellular systems in the frozen state Discussion;
Long-term storage of frozen mouse embryos under increased background irradiation; Discussion; Genetic drift: the problem and its possible solution by frozen-embryo storage; Discussion; A mouse geneticist's impatient waiting for the arrival of embryo-freezing techniques; Discussion; Final general discussion; Index of contributors; Subject index
