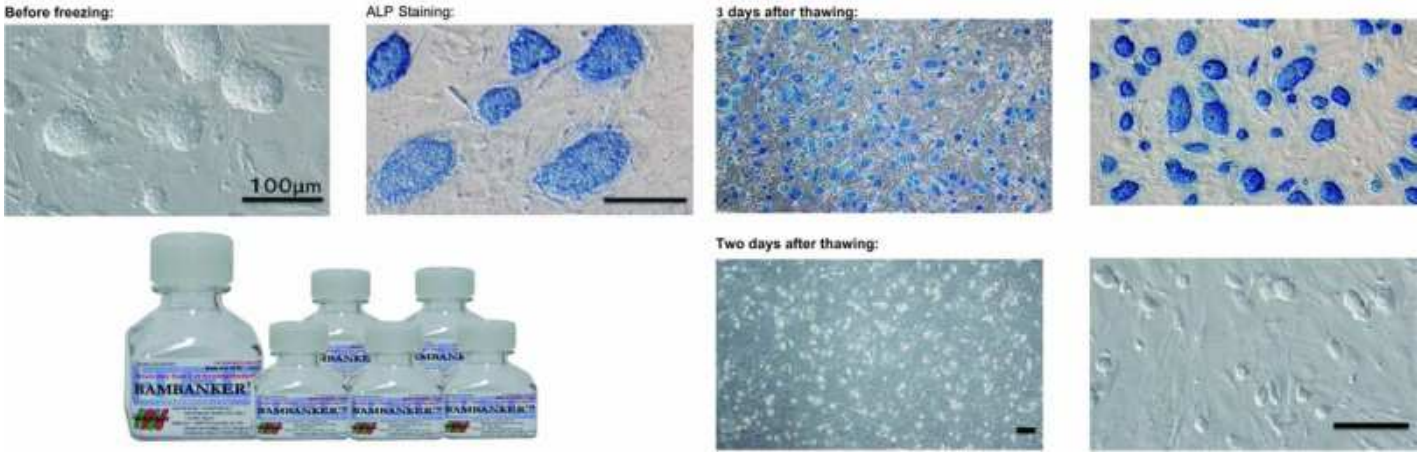
Stabilization of Mouse Embryonic Stem Cells



Cultivation	15% FBS/DMEM (1 mM of Sodium pyruvate, 100 µM of NEAA, 100 µM of ß-ME, 1000 U/ml of LIF) was used as culture medium. Mouse Embryonic Fibroblasts (MEF) were used as „feeder cells“.
Freezing	Cells were frozen in 5 vials / (60mm dish corresponds to 3.0 x 10^6 cells/vial). 1 ml/vial of Bambanker™ freezing medium was added and the mixture was directly frozen in -80 °C. The following day, the vials were transferred to liquid nitrogen (slow freezing).
Thawing	Cells were incubated at 37 °C and transferred in cooled culture media. After collection, cells were seeded in 6 well plates and 6 cm dishes.
Results	Stabilization of Mouse Embryonic Stem Cells by using Bambanker™ was succesful. Cells were undifferentiated, even after freeze and thaw procedure. No modifications of cells could be observed. *Data were kindly provided by Dr. Ahn (Tokyo Institute of Technology Graduate School of Bioscience and Biotechnology Department of Biomolecular Engineering, Tagawa Laboratory, Japan).* *Die Daten wurden von Dr. Ahn (Tokyo Institute of Technology Graduate School of Bioscience and Biotechnology Department of Biomolecular Engineering, Tagawa Laboratory, Japan) zur Verfügung gestellt.*