固定の方法に関する論文

Fates and States of Determination of

Single Vegetal Pole Blastomeres of X. laevis

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1984

Fluorescein-Dextran-Lysine (FLDx)

FLDx was prepared in collaboration with Dr. J. Cooke (NIMR, London) according to instructions supplied by Dr. R. Gimlich (University of California.Berkeley). This label consists of dextran (10,500 MW). which is too big to pass through gap junctions, linked to fluorescein isothiocyanate, linked to lysine, which renders the whole molecule fixable with formaldehyde (Gimlich and Cooke, 1983). We used FLDx to confirm that TRITC is a cell-autonomous label by injecting eggs shortly after fertilization with 20 nl of 100 mg/ml FLDx so as to label uniformly the entire embryo. The embryos were allowed to develop to stage 8. and then single vegetal pole cells were labeled with TRITC and inserted into the blastocoel of unlabeled host embryos. The embryos were fixed at stage 32 in 4% formaldehyde in 0.1M sodium phosphate (pH 7.4) and then dehydrated in ethanol, embedded in PEDS wax, sectioned, and examined in the usual way.

フルオレセイン・デキストラン・リジン(FLDx)

胚は32期に0.1Mリン酸ナトリウム（pH7.4）が入っている4%ホルムアルデヒドで固定し、エタノールで脱水後、PEDSワックスに埋め込み、切片を作り、通常の方法で検査した。