

- Expression of estrogen receptor and telomerase activity -

가 estrogen 가 bcl-2 hTERT 20,21
 estrogen estrogen 가 estrogen
 estrogen estrogen 4-6 estrogen estrogen
 estrogen 가 estradiol 가 가
 antiestrogen 가 estradiol 가
 가 estrogen 가
 Estrogen estrogen telomerase
 estrogen estrogen estrogen
 estrogen
 Telomere 8,9
 TTAGGG tandem repeat
 telomere 10-12 2000 6 2000 11
 6 9 14
 mitotic clock 10,13 Telomerase
 ribonucleoprotein, RNA dependent DNA polymerase 17
 RNA component template
 telomeric DNA telomere -80°C Hematoxylin-eosin 가
 10,11 telomere가 telomerase
 telomerase가 telomere 10-14
 가 telomerase 가
 가 telomerase 14
 가 telomerase 15-17
 가 telomerase 18,19
 estrogen telomerase
 estrogen ERE (estrogen response element) estrogen
 c-Myc telomerase

1. Estrogen
 1) 10mg (10 mM Tris, 1.5 mM EDTA, 5.0 mM Na₂MgO₄, 1 mM monothioglycerol) (Ultra-Turrax T25, IKA-Labortechnik, Germany) 4 (TL-100, Beckman, Fullerton, CA, USA) 100,000 × g 1
 2) estrogen ER monoclonal kit (Abbott Laboratories, IL, USA) (1 mg/ml)