



Use of 2-Well Slides for Cell FISH

Supplies:

2-Well Slides (Insitus Catalog. No. S001)

12-mm round, siliconized coverslips (Insitus Cat. # C001)

The use of 2-well slides is very convenient and useful for doing cell FISH particularly on interphase nuclei. The slides come with two built-in 10 mm circles. A 12-mm round coverslip fits to the circle. The use of these circles allows you to save precious DNA probes because as little as 2.5 μ l of DNA probe per circle can be used for FISH.

Procedure

1. Drop 5-10 μ l of interphase nuclei suspension (*i.e.*, fixed uncultured lymphocytes) on one or two circle(s).

For FISH on metaphase spreads, prepare metaphase chromosome spreads directly on 2-well slides according to standard cytogenetic procedures.

2. Air dry for about 10 minutes.
3. Add 2.5 μ l - 5 μ l of DNA probe to each circle.
4. Place 12 mm siliconized coverslip* with forceps.
5. Then, follow the cell FISH protocol.

(*15 mm or larger cover glasses also can be used.)