



Human COT DNA

| Cat. No. | size |
|----------|--------|
| E4110-01 | 0.5 mg |
| E4110-02 | 2 mg |

Storage Conditions:

Store at -20°C.

Store the working solution at 4°C.

References:

1. Kang SH, Park CH, Jeung HC, Kim KY, Rha SY, Chung HC. *Int J Mol Med.* 2007 Jun; 19(6):901-8.

Description:

- Human placenta COT DNA decreases false positive signals in Microarrays, in situ Hybridizations, and Southern blots by acting as a blocking agent for repetitive sequences.
- EURx COT DNA has been optimized for a size range of 50 to 300 base pairs which represents the theoretical maximum size for repetitive sequences.
- 0.5 mg is sufficient for 5 to 10 Southern or 500 in situ hybridizations.

Storage Buffer:

10 mM Tris-HCl (pH 7.4), 1 mM EDTA (1 x TE Buffer).

Quality Control:

A₂₆₀/A₂₈₀ Ratio: 1.71

Determination of Molecular Size: When run on a 4% agarose gel, >50% of Human COT DNA migrates between 50-300 base pairs.

Y-Chromosome: Material manufactured from only male placentas.

All preparations are assayed for contaminating endonuclease and nonspecific RNase and single- and double-stranded DNase activities.