

## COT I Human DNA

### Applications:

- In situ suppression (CISS) hybridizations
- Hybridization to **micro arrays**
- Other In situ hybridizations
- Filter hybridizations

### Description:

COT Human DNA is prepared from human placental DNA by shearing, denaturing, and reannealing under conditions that enrich these repetitive elements.

The product is prepared from male human placental DNA, exclusively.

The COT I fraction of human genomic DNA consists largely of rapidly annealing repetitive elements. These interspersed repetitive sequences (IRS), such as SINES (small interspersed repetitive elements, e.g., Alu elements) and LINES (large interspersed repetitive elements, e.g., L1 elements), are distributed ubiquitously throughout the genome.

**Concentration:** > 1,1 mg/ml (see label on the tube);  
Solution in 10 mM Tris-HCl, 1 mM EDTA, pH 7.4

### Quality control:

- Average fragments size: 50-300 bp;
- A260/A280 ration: about 1.78;
- Amount of genomic (non-repetitive DNA): less than 2%.

The product and the raw material is tested for the absence of HIV1,2 RNA, HCV RNA, HBV DNA

**Transportation:** on blue ice

**Storage:** at -20°C for more than 12 months

### Ordering information:

| Cat.-no | Description                        | Amount                             |
|---------|------------------------------------|------------------------------------|
| 3001    | Cot I Human DNA conc. >1,1 mg / ml | 500 µg                             |
| 3005    | Cot I Human DNA conc. >11 mg / ml  | <b>Amount and price on request</b> |