



Just fine Molecular Biology

Cot I Human DNA

Cat: 401001 500 µg

Description:

COT I Human DNA is prepared exclusively from male human placental DNA by shearing, denaturing, and reannealing under conditions that enrich repetitive elements. The COT I fraction of human genomic DNA consists largely of rapidly annealing repetitive elements.

Quality Control:

Average fragments size – 50–300 bp;

A260/A280: 1.78;

amount of genomic (non-repetitive DNA): 2%.

The sample as well as original material were tested for the absence of HIV1,2 RNA, HCV RNA, HBV DNA.

Concentration: >1 mg/ml

Storage Buffer: 10 mM TrisHCl (pH 7,5), 1mM EDTA

Applications:

COT I Human DNA can be used for suppressing crosshybridization to human repetitive DNA in filter and microarray hybridizations and in situ hybridization experiments. Repetitive elements present in a probe may result in unspecific hybridization signals. To enable specific hybridization of the probe to the chromosomal target site the probe is denatured together with an excess of unlabeled COT I Human DNA as a competitor. As a result single-copy gene hybridization is not hindered by repetitive sequences.

Storage: Store at -20 °C

Catalog #	Pack size
401001	500 µg

VersionER22.06.07

Bioron GmbH (Germany)

Contact: Phone: +49-(0)-621- 5720 915 Fax:+49-(0)-621-5720 916
E-Mail: info@bioron.net NET: www.bioron.net