



# Makes your FISH look good!



## **BIORON: Europe's Leading Human DNA Manufacturer**

- Blocking agents for repetitive sequences
- Customizable products e.g. concentration, buffers, filling containers
- COT I Human DNA is available in different fragment size distributions
- High-quality production in Germany

With years of expertise, BIORON has established itself as the largest producer of human DNA in Europe, serving a global customer base that includes small research groups and manufacturing companies.

Our DNA is rigorously tested to ensure it is free from HIV, HBV, and HCV, and contains no animal-derived components.





## HUMAN PLACENTA DNA

This genomic DNA is purified from human placenta tissue from multiple donors. It has an average size ranging from approximately 500 bp to 48 kb. Placenta DNA is rich in repetitive sequences, making it especially suitable for hybridization methods such as Southern blot hybridization or FISH. Due to its sequence diversity, it can also be used as control material in Whole Genome Amplification and for generating genomic libraries in various sequencing applications.

## COT I HUMAN DNA

COT I Human DNA is derived exclusively from placental DNA of male progeny. The production process is optimized to enrich highly repetitive elements of human DNA within an average size distribution of 50 to 300 bp. This gives BIORON's COT I Human DNA unique characteristics, making it suitable for a wide range of applications.

COT I Human DNA is used to suppress cross-hybridization to human repetitive sequences in various hybridization assays, enabling specific hybridization to chromosomal target sites of probes. It is employed in applications such as single-copy gene or in situ hybridizations (e.g. FISH), as well as filter and microarray hybridization assays. In NGS applications, COT I Human DNA acts as a blocking reagent to reduce non-specific sequences, resulting in higher on-target read rates.

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Our QM system has been certified by

