INSTRUCTIONS FOR USE

Rons™ Human Placenta DNA

List of Components	Quantity REF 401022
Rons™ Human Placenta DNA	1 mg

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Instructions for Use

Rons™ Human Placenta DNA

Introduction

Human Placenta DNA is a liquid genomic DNA solution prepared from male human placental tissue. It is used in chromosomal and whole genome analysis and as a blocking reagent in various hybridization-based applications.

Applications

Human Placenta DNA is mainly used for:

- Chromosomal and whole genome analysis
- Fluorescence in situ hybridization (FISH)
- Reduction of cross-hybridization
- Construction of genomic libraries
- Background generation for PCR-based sterilization assays
- Blocking reagent for various applications

Principle of the method

The genomic DNA is purified from human placental tissue, resulting in enriched fragments with a size of 500 bp up to 48 kb and containing both autosomal and Y-chromosomal DNA sequences.

Product Specifications

Parameter	Specification
Composition	Human genomic DNA from male placental tissue in 1x TE buffer
Concentration	2.0 – 2.5 mg/ml
Fragment size	500 bp – 48 kb
Appearance	Clear, colourless to faintly tinted solution

Product use limitations

- Human Placenta DNA is a hybridization blocking reagent and does not provide a diagnostic result on its own.
- Performance may vary depending on assay design, sample quality and assay conditions.
- For applications requiring a smaller fragment size, Rons™ Human Cot I DNA (REF 402000, REF 402007 or REF 402011) is recommended.

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Warning and precautions

- For use only by trained laboratory personnel familiar with molecular biology and hybridization-based procedures.
- The product is of human origin. Handle the product and all materials that come into contact with it as potentially infectious and in accordance with applicable biosafety regulations.
- Wear appropriate personal protective equipment (laboratory coat, gloves and eye protection).
- Avoid microbial contamination of the product, reagents and samples as well as cross-contamination between samples, reagents and work areas, as contamination may affect performance.
- Do not use the product if leakage, visible contamination, unusual turbidity, precipitation, discolouration or container damage is observed, or if the product has been exposed to conditions outside the recommended storage conditions.
- Do not use the product beyond the expiration date and use it only for the intended purpose described in these instructions for use.

Transportation & Storage

- The product is shipped on dry ice or frozen gel packs (blue ice), depending on destination, transit time and environmental conditions. The recommended storage temperature is maintained during shipment.
- Inspect the package upon receipt and report any damage, leakage or temperature excursion before use. Transfer the product immediately to the recommended storage conditions.
- Protect the product from direct sunlight and physical damage.
- Avoid repeated freeze-thaw cycles.

Storage	Temperature and Conditions
Long Term	-18 °C to -22 °C
Short Term	+2 °C to +8 °C
Shelf Life	24 months from date of manufacture

Symbol	Meaning	Symbol	Meaning
REF	Catalogue number	LOT	Batch code
	Temperature limit		Follow the instructions for use
	Manufacturer		Use-by date
	Date of manufacture		Contains sufficient for <n> tests
	Caution		Keep away from sunlight

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