

## SuperBLOK™ (Cot 1) DNA

**Cat:** MPNA-8888.

**Volume:** 1ml

**Application:** Highly repetitive DNA. Ideal blocking DNA for all nick translation, FISH probes and microarray related hybridizations. Use in chromosomal in situ suppression (CISS) hybridization. It is also used to suppress cross-hybridization and non-specific hybridization during filter-hybridization experiments and microarray screening.

**Description/Quality Control:** SuperBLOK Cot 1DNA is prepared exclusively from human placentas (male birth). The DNA is extracted, sheared, denatured and reannealed in conditions that enrich the resulting product for repetitive sequences such as the Alu I and Kpn I families. The majority of the DNA is between 70 and 350 bp (around 200bp) on the basis of gel Interpretation (image of Agarose gel is attached). Concentration is determined spectrophotometrically by  $A_{260}$  reading from a two-step 1:200 fold serial dilution in 10 mM TrisHCl, 1mM EDTA buffer, pH 8.0. The human material used was tested and found negative for Hbs, Agm, HCVm, RPR, and HIV 1/2 and several other pathogen assays.

**Store:** -15°C to -25°C

### Sample Lot Specific Information:

**Lot number:** 032609a-JG

**Concentration:**  $\geq 1.0$  mg/ml in 10 mM TrisHCl,  
1mM EDTA, pH 8.0

**Purity ( $A_{260}/A_{280}$ ):** 1.90

**Expiration date:** 03/26/2014

**Legend: Lane 1:** 100 BP Ladder

**Lane 2:** SuperBLOK DNA 0.1ug/ul in a 4%  
Melt'N'Pour agarose gel stained with EtBr.

