

Non-Invasive Prenatal Testing Products

Elevate your standard of care in NIPT

ZeptoMetrix Non-Invasive Prenatal Testing (NIPT) controls and reagents provide consistent and accurate results for use in the development, validation, and implementation of molecular assays (NGS and PCR). Human DNA-depleted plasma and cfDNA controls and associated reagents are available.

- Off-the-shelf quality controls, reference materials, and reagents
- Reliable control material for validation, lot-to-lot testing, and periodic QC
- Accuracy and quality you can trust
- Customizable to meet the needs of your laboratory

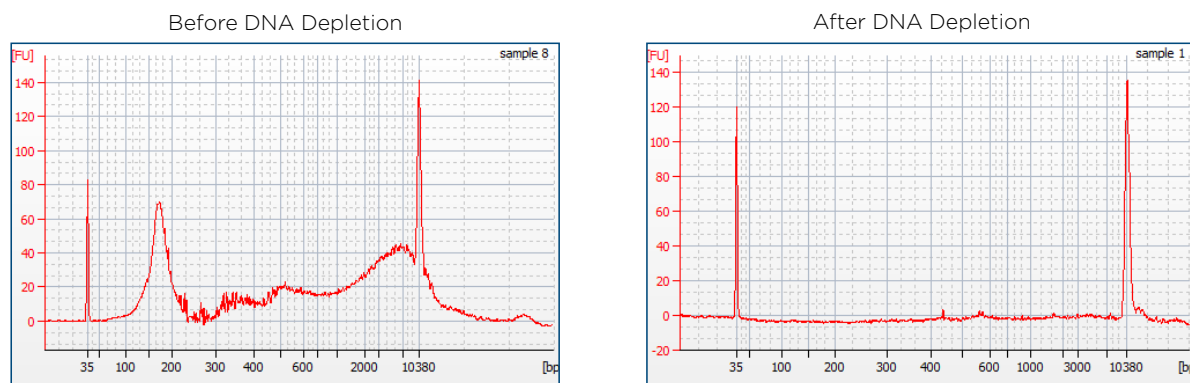


Human DNA-Depleted Plasma

Build your own controls using your high-positive samples to save time. With our human DNA-depleted plasma (DNA-free plasma) as a matrix, you can produce reference materials specific to your time-sensitive needs while retaining the natural components of the sample.

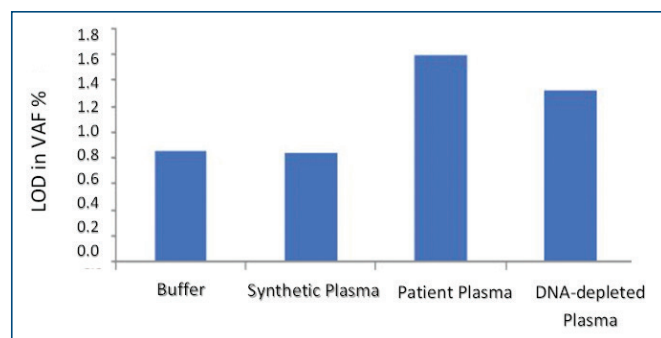
Why use ZeptoMetrix human DNA-depleted plasma?

- Proprietary DNA depletion process allows for DNA levels less than 4 pg/mL
- The depletion process decreases background DNA noise in plasma while keeping everything else consistent
- Using a patient-like matrix for quality control and assay valuation can result in a more accurate assay



Why is human DNA-depleted plasma better than buffer as a reference material matrix?

- Plasma matrix is a better representation of a real patient sample because the natural interfering proteins are retained
- Risk of underestimation of assay Limit of Detection (LOD) when buffer or synthetic plasma were used as sample matrix
- The higher imprecision in both untreated patient plasma and DNA-depleted plasma is associated with higher, more accurate, Limit of Blank (LOB) and LOD for AF% determination



Compared to buffer or synthetic plasma, using the human DNA-depleted plasma matrix provides a better representation of the real patient sample because the natural interfering proteins are retained.

Human DNA-Depleted Plasma

Part Number	Product Description
0860007-5	Human DNA-depleted EDTA plasma base matrix (1 x 5 mL)
0860007-50	Human DNA-depleted EDTA plasma base matrix (1 x 50 mL)
0860007-100	Human DNA-depleted EDTA plasma base matrix (1 x 100 mL)
0860007-500	Human DNA-depleted EDTA plasma base matrix (1 x 500 mL)
0860007-1000	Human DNA-depleted EDTA plasma base matrix (1 x 1000 mL)

Cell-Free DNA (cfDNA) Controls

ZeptoMetrix offers cfDNA reference materials for trisomies 13, 18, and 21 for assay development, validation, and routine run QC for NIPT assays. Controls are formulated at 5% fetal fraction and are available both individually and multiplexed.

Why use cfDNA controls and reagents?

- Available as concentrated DNA in TE buffer or blended into DNA-depleted plasma as a ready-to-use, full-process control
- User-friendly product configurations
- Options for customization to fit the needs of your assay

Part Number	Product Description
TE-based, nucleosomally fragmented cfDNA controls designed for counting-based NIPT assays	
0860008	Trisomy 13 DNA at 5% (1 µg)
0860009	Trisomy 18 DNA at 5% (1 µg)
0860010	Trisomy 21 DNA at 5% (1 µg)
0860011	Trisomies 13, 18, and 21 DNA at 5% fetal fraction in normal male DNA background (1 µg)
Human plasma-based, nucleosomally fragmented cfDNA controls designed for counting-based NIPT assays	
0860012	Trisomy 13 DNA at 5% fetal fraction in normal male DNA background (125 ng in 5 mL plasma)
0860013	Trisomy 18 DNA at 5% fetal fraction in normal male DNA background (125 ng in 5 mL plasma)
0860014	Trisomy 21 DNA at 5% fetal fraction in normal male DNA background (125 ng in 5 mL plasma)



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