



ImproGene™ Cell Free DNA Tube

Improving pre-analytical workflows for liquid biopsy



Optimal solution for collection and stabilization of circulating cell free DNA

- Stabilization of WBCs prevents release of genomic DNA
- Stabilization of RBCs minimizes hemolysis
- Non-crosslinking and no DNA modification
- Stabilizing cell free DNA 7-14 days under 4-30



ImproGene™ Cell Free DNA Tube is an evacuated blood collection tube to standardize the pre-analytical phase of liquid biopsy assays to increase laboratory precision.

It contains an anticoagulant and a preservative that stabilize in-vitro blood cells and cell free DNA fragments. It maximumly inhibits cell metabolism and prevents the release of genomic

Clinical Application of ImproGene™ Cell Free DNA Tube

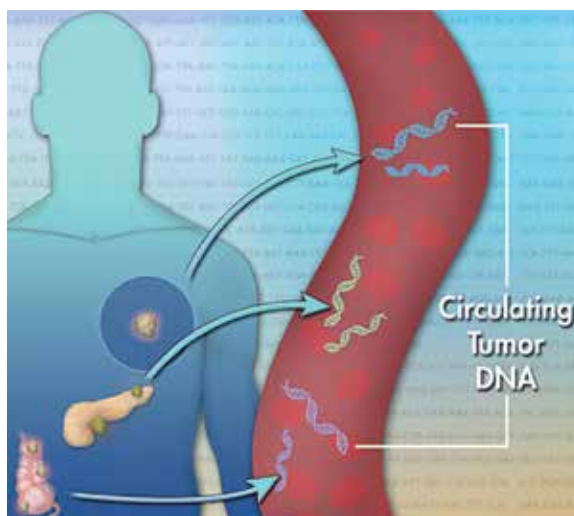
■ Non-invasive Prenatal Testing (NIPT)

Stabilizing maternal DNA and cell free fetal DNA in blood, and widely applied in 21, 18, 13 chromosome abnormalities, sex chromosome abnormalities, other chromosome number and structural abnormalities, twin NIPT, single gene genetic disease and gestational tumor.

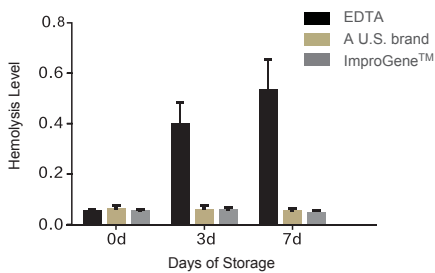


■ Circulating Tumor DNA (ctDNA)

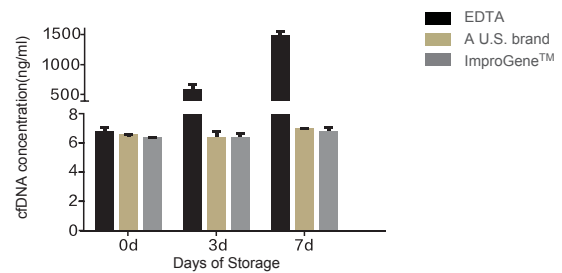
Stabilizing ctDNA and widely used in the detection of lung cancer, colon cancer, breast cancer, melanoma and glioma.



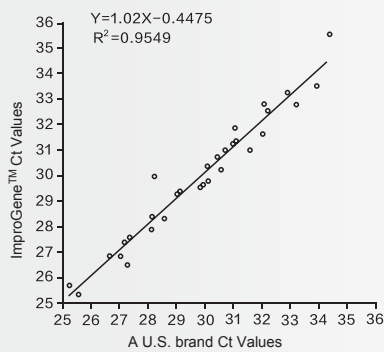
Product Data of ImproGene™ Cell Free DNA Tube



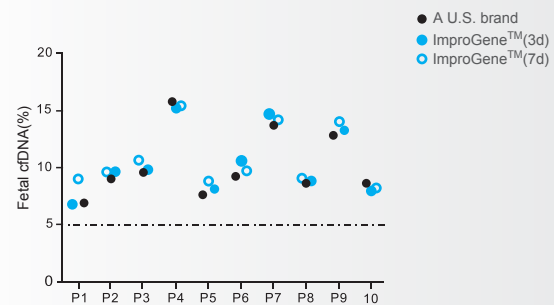
ImproGene™ showed more complete protection for cells



ImproGene™ provided better DNA extraction



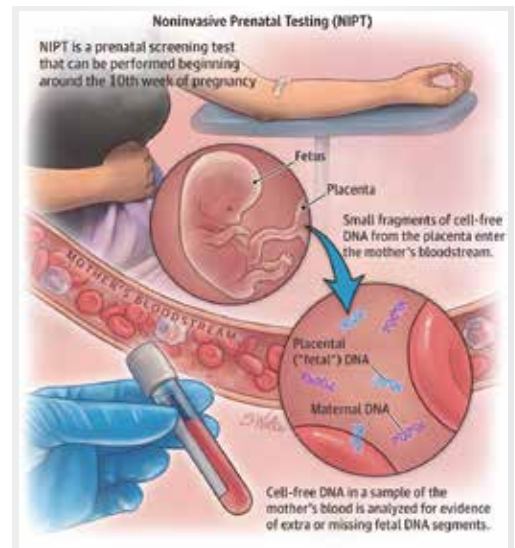
ImproGene™ proved no PCR inhibition



ImproGene™ provided reliable NGS results (DA8600)

Blood Collection and Transportation

1. Collect specimen by venipuncture according to CLSI GP41-A6
2. Follow recommendations for order of draw outlined in CLSI GP41-A6. ImproGene™ Cell Free DNA Tube should be drawn after the EDTA tube and before the fluoride oxalate (glycolytic inhibitor) tube. If an ImproGene™ Cell Free DNA Tube immediately follows a heparin tube in the draw order, it recommends collecting a No Additive or EDTA tube as a discard tube prior to collection in the ImproGene™ Cell Free DNA Tube
3. Remove tube from needle and immediately mix by gentle inversion 8 to 10 times. Inadequate or delayed mixing may result in incorrect analytical results or poor product performance.
4. After collection, transport and store tubes within the recommended temperature range (room temperature is recommended).
5. Blood specimen in ImproGene™ Cell Free DNA Tube should NOT be frozen before plasma separation.



Specification

Product Code	Material	Tube Size (mm)	Vol. (ml)	Closure Type	Color	Label	Pack/Carton Qty (pc)
824100200	Glass	16 x 100	10	Safety Cap	Pink	Paper	50 / 500

More Product Lines of IMPROVE Group



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