ChromInst®/ChromSwift®
Most Advanced PGT-A Test Solutions

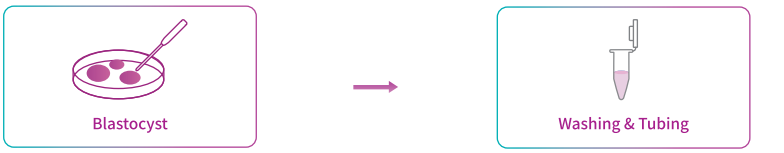
Yikon GENOMICS

- MALBAC WGA+ Library Preparation
- Easy SOP
- NGS/TGS
- Cloud or Onsite Analysis
- Cost Effective

	PGT-A Basic	PGT-A Upgrade (NGS Based SNP Analysis)
	ChromInst/ChromSwift	ChromInst/ChromSwift
Aneuploidy	•	•
Mosaicism	•	•
Segment Duplication and Deletion	•	•
Sibling QC	•	•
Genetic PN Check/Ploidy		•
UPD		•
mtDNA		•
Chromosomal Syndromes		• (40+)
NGS/TGS Sequencing Reads	200K (Chr resolution) -1M(Mb resolution),single end	3M, single end
Target Group	✓ Advanced maternal age ✓ Infertility concerns ✓ Recurrent miscarriages ✓ Multiple IVF failed cycles	✓ History of chromosomal abnormalities ✓ 3PN embryo ✓ Reproductive history of triploidy/haploidy ✓ Previous molar pregnancy

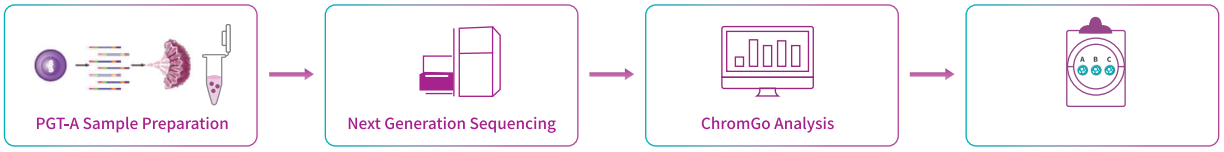
Workflow

Embryology Lab



TE Biopsy → Preserve TE Biopsy with Buffer

NGS Lab



ChromInst/ChromSwift → Basic & Upgrade → Cloud / On-site → PGT-A Report

Yikon Genomics

WEB:yikon-global.com E-mail:infoglobal@yikongenomics.com

Advantages

Yikon GENOMICS

One Set of Reagents

One Analysis Platform

One Sample Needed

Two-Level PGT-A to Meet the Needs of Basic and Suspected Abnormal Embryos

Basic

- ✓ High-resolution for precise segmental abnormality detection
- ✓ Validated technology detects aneuploidies and mosaicism
- ✓ Sibling QC ensures genetic relatedness of tested embryos

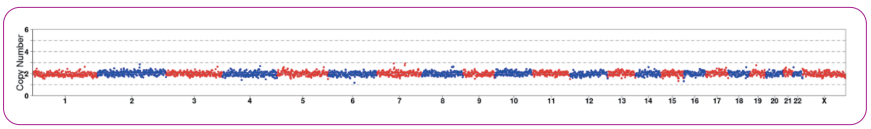
Upgrade

- ✓ Identifying true 2PN embryos from morphological 1PN and 3PN embryos
- ✓ UPD detection eliminates the occurrence of chromosome pair inherited from one parent

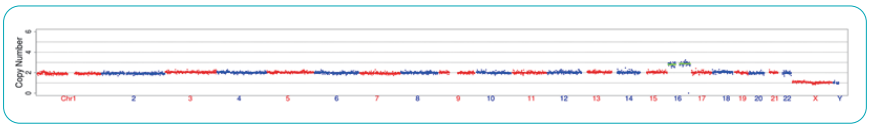
Who Is PGT-A For?

- Advanced maternal age.
- Couples with infertility concerns.
- Couples with recurrent miscarriages.
- Couples with many failed IVF cycles.
- Couples with a family history of chromosomal abnormalities.
- Couples undergoing IVF treatment for other reasons.

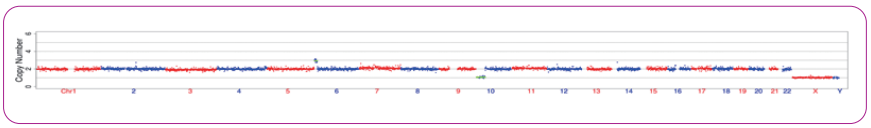
Reliable PGT-A Results



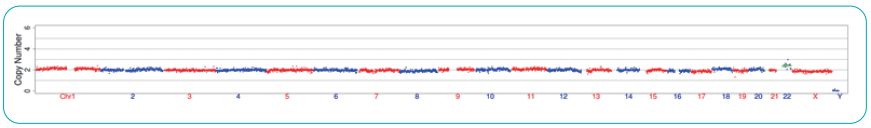
CNV Result: Paternal Triploidy 23X



CNV Result:46,XN,+16(×3)



CNV Result:46,XN,
+6p(p25.3→p24.2,~11Mb,×3),
-10p(p15.3→p11.22,~34Mb,×1)



CNV Result:46,XN,+22(×3,mos,~39%)

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