LifeLabs GENETICS™

panorama® natera prenatal screen

# Panorama NIPT® now offers screening for twin, egg donor, and surrogate pregnancies

## Panorama now provides more comprehensive screening for all pregnancies

Panorama screens for trisomies 21, 18, and 13 in twin pregnancies with a combined sensitivity of >99% and specificity of >99%, as early as 9 weeks gestation. With twin pregnancies, in particular, only the Panorama screen can determine:

- ☑ Zygosity
- ☑ Individual fetal fractions for dizygotic twins
- ☑ Fetal sex for each twin
- ☑ Sex chromosome abnormalities (monozygotic twins only)

The Panorama screen is not appropriate for pregnancies involving twins conceived using an egg donor or surrogate, higher order multiple gestations (≥3 fetuses) or vanishing twins.

## Screening options will differ between pregnancy statuses

Please use the table below to help determine which screening options are available for patients. Please note that triploidy will only be reported in singleton gestations.

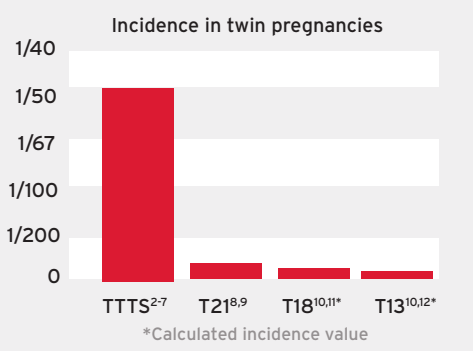
| | Singleton | Monozygotic | Dizygotic | Egg Donor or Surrogate (singleton gestations only) |
|---|---|---|---|---|
| Trisomies 21, 18, and 13 | ✓ incl. triploidy | ✓ | ✓ | ✓ |
| Sex chromosome abnormalities (monosomy X) | ✓ | ✓ | ✗ | ✗ |
| 22q11.2 deletion syndrome | ✓ | ✓ | ✗ | ✗ |
| Additional microdeletions syndromes: Cri-du-chat, 1p36 deletion, Angelman, and Prader-Willi | ✓ | ✗ | ✗ | ✗ |

Panorama helps clinicians identify the higher likelihood of conditions that affect more than

**1 in 45**

twin pregnancies [2-12]

Panorama identifies monozygotic twins with >99% sensitivity and specificity, as early as 9 weeks gestation.[1] Monozygotic twins can be at a higher likelihood of pregnancy complications, including intrauterine growth restriction, birth defects, and twin-twin transfusion syndrome (TTTS)[2-7].

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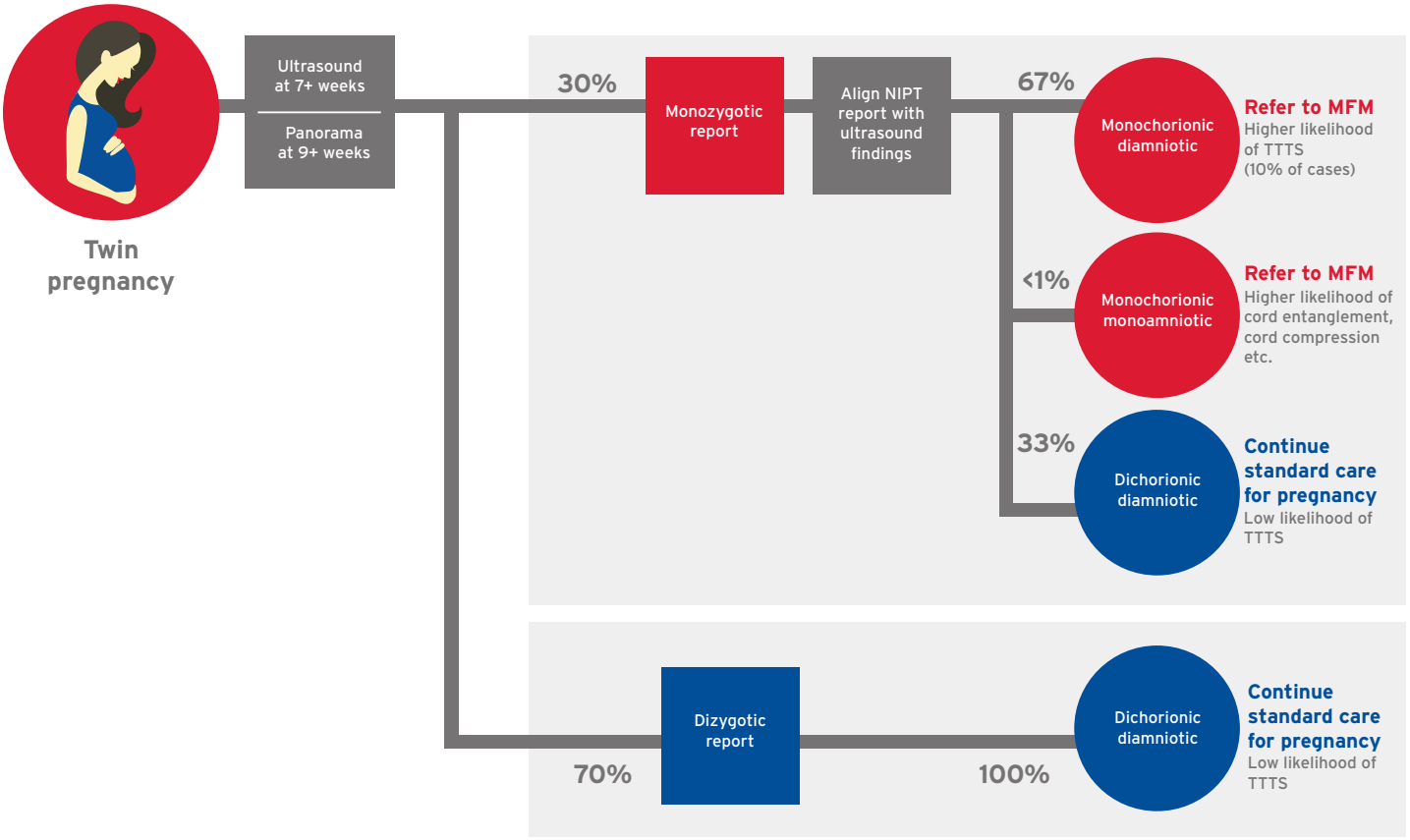
## Panorama helps clinicians triage twin pregnancies effectively[2-7]

While chorionicity can be reliably detected early in a pregnancy, studies have shown that up to 19% of monochorionic pregnancies are incorrectly classified as dichorionic.[4]

Panorama allows clinicians to align their ultrasound findings with an early and accurate zygosity determination.

Identifying a monozygotic twin pregnancy with Panorama can prompt earlier, targeted ultrasound assessments for chorionicity and associated complications. Knowing that a twin pregnancy is dizygotic reduces concerns about TTTS.




**Please contact LifeLabs Genetics to receive news on the Canadian launch date, as well as the new requisition and consent form**

### References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7. Cunningham et al. Williams Obstetrics. 24th edition. New York: McGraw-Hill Education, 2014.
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12. http://ghr.nlm.nih.gov/condition/trisomy-13