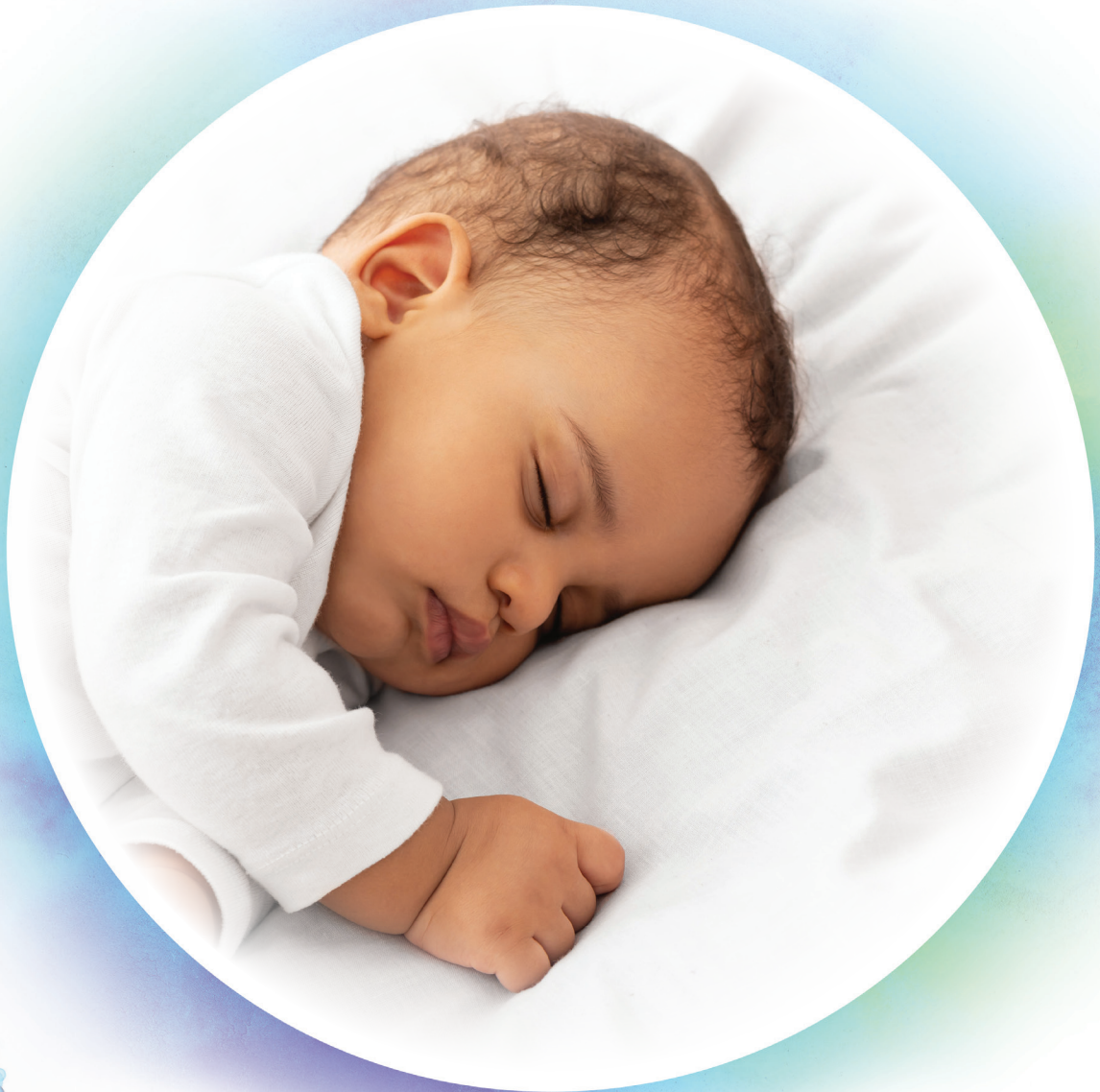
SELECT SYNDROME SCREEN℠ TEST

Detect additional genetic disorders before embryo transfer[1]



This material is to support the limited release only and will be updated once more data is available.

CooperSurgical®

Select Syndrome Screen℠: Progressing PGT-A

Detect additional genetic disorders before embryo transfer.

Undetected microdeletions and microduplications may be associated with pregnancy loss, birth defects or developmental and intellectual disabilities.[2] Some chromosome abnormalities are below the resolution detectable with standard PGT-A.[1]

Select Syndrome Screen detects additional genetic disorders before embryo transfer, giving you and your patients:

- **More informed** embryo selection
- **Deeper insights** from the embryo biopsy
- **Delivering** additional clinical impact

Early education between patients and clinicians may provide better discussions on reproductive options and potential outcomes.

Disorders we screen for

Select Syndrome Screen℠ is an optional test from CooperSurgical that looks for **10 impactful genetic disorders*** that may significantly impact a child's health or development.[2]

Disorder	
22q11.2 Deletion (DiGeorge Syndrome)	2q33.1 Deletion Syndrome
1p36 Deletion Syndrome	Potocki-Lupski Syndrome
Wolf-Hirschhorn Syndrome	Smith-Magenis Syndrome
Cri du Chat Syndrome	Langer-Giedion Syndrome
Jacobsen Syndrome	Angelman/Prader-Willi Syndromes

* The test only screens for these 10 specific syndromes.

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Find out early and offer more informed choices

More informed embryo selection

More sequencing power than other generally available PGT-A tests

Industry-leading test resolution

Detection of 10 critical syndromes [2,3]

Commitment for continuous innovation

Our test is designed to select specific microdeletion and microduplication syndromes that can be linked to pregnancy loss, congenital abnormalities, intellectual disability, autism spectrum disorder, or dysmorphic features.[3,4]

Microdeletions or microduplication are typically *de novo* events that can affect anyone of any age going through IVF.[4,5]

Select Syndrome Screen with PGT before pregnancy

Test Description	Detects additional genetic disorders[1]
Timing	Before embryo transfer[1]
Choices	Find out early and make informed decisions

Microdeletion or microduplication disorders are detected in **1 in 1,000 pregnancies.**[6]

Harness the power of PGT-A with the addition of **Select Syndrome Screen**. Receive comprehensive insights on embryo aneuploidy, mosaicism and select *de novo* errors.

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What do my patient's results mean?

None Detected

The 10 syndromes were not detected in the embryo sample(s), indicating a reduced risk they are present.

Microdeletion/Microduplication Region Impacted

The designated chromosome abnormality was identified in the embryo sample(s). Follow-up with clinic is recommended.

Noninformative

The sample did not produce sufficient informative data points to meet reporting standards. This does not indicate an increased risk. Re-biopsy is not recommended.

Next steps

For IVF patients – Recommend **PGT-A** and **Select Syndrome Screen**.

For patients with results – Provide **education** on options.

For more information – Scan the **QR code** to visit our website or **contact our team**.

References

1. Weier, C., *et al.* (2025) PGT-A incorporating sensitive and specific detection of nine recurrent microdeletion and microduplication syndromes using high resolution targeted sequencing [poster presentation]. *PCRS Annual Conference*, 2025.
2. Wetzel, A.S., *et al.* (2022) A comprehensive list of human microdeletion and microduplication syndromes. *BMC Genomic Data*, 23(1), p.82.
3. McKinley Gardner, R.J., *et al.* (2018) Gardner and Sutherland's Chromosome Abnormalities and Genetic Counselling. 5th ed. *Oxford: Oxford University Press.*
4. Larroya, M., *et al.* (2021) Have maternal or paternal ages any impact on the prenatal incidence of genomic copy number variants associated with fetal structural anomalies? *PLoS ONE*, 16(7), p.e0253866.
5. Weier, C. (2025) Select Syndrome Screen(SM) White Paper. CooperSurgical, Inc. Internal publication.

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