High Throughput NIPT Solution
Sage™ QS 32plex is ideal for clinical laboratories running high throughput NIPT.

Enabling laboratories with enhanced flexibility, scalability and cost-effectiveness, while retaining all the high qualities of the existing Sage™ test.

The Sage™ prenatal screen offers a menu-based chromosome analysis to estimate the risk of a fetus having trisomy 21, trisomy 18 and trisomy 13, rare autosomal aneuploidies (RAA), sex chromosome aneuploidies (SCA) and the most clinically relevant microdeletions.

**High scalability**

Sage™ QS 32plex workflow significantly improves clinical efficiency. Throughput can be tailored for up to 64 patients for efficient NGS parallel processing.

**High flexibility**

Automated or manual workflows

Validation of any existing equipment

**High accuracy**

>99.9% sensitivity

<0.1% false negative results

3.5% fetal fraction required**

**minimum 5% fetal fraction required for microdeletion analysis**

*Prevalence per 10,000 births

<table>
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<tr>
<th>RAAs</th>
<th>Trisomies</th>
<th>Microdeletions</th>
<th>SCAs</th>
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T21, RAAs, Trisomy X, Klinefelter, Turner, 22q11.2, T18, T13, Aangelman, Prader-Willi, Cri-du-chat
What makes Sage™ unique?

**A FLEXIBLE, PERSONALISED, COST-EFFECTIVE WORKFLOW**

Sage™ QS 32plex runs on the Thermo Fisher Ion Torrent sequencing technology. This solution significantly improves efficiency, enabling up to 64 samples to be processed in one sequencing run. Moreover, the workflow is scalable and flexible with automated or manual options.

**RAPID, ROBUST PRENATAL SCREENING SOFTWARE**

Sage™ Link, a custom-built cloud-based bioinformatics portal, recently enhanced with additional features and an improved user-friendly interface. The resulting data is processed so a small data file can be easily, quickly and safely uploaded to Sage™ Link. No bioinformatician is required to analyse the data, a simple to interpret screening test report is generated for each patient sample.

***Sage™ Link not yet available for microdeletions***

**INNOVATIVE TECHNOLOGY FOR FETAL FRACTION ENRICHMENT**

The Yourgene QS250 allows for gel size selection of 32 DNA library constructs prior to sequencing, enabling great improvements in fetal fraction enrichment. In addition to gel size selection, it also allows fragment analysis and solution-based fluorescence quantification assays with a single piece of equipment.

**WORLD CLASS, DEDICATED, TECHNICAL SUPPORT**

Our international technical support team is well regarded by our laboratory customers. Feedback is exemplary they provide excellent and thorough training programmes, pre and post installation support, hand-holding and ongoing support once up and running.
HOW TO INSTALL SAGE IN YOUR LAB
Please call or email to arrange a technical discussion with the Sage™ team to find out more.

Email: info@yourgene-health.com
Tel: +44 (0)161 669 8122
Tel: +65 (0) 8272-7073

Please use this QR code for exclusion criteria

For further information, please visit
www.yourgene-health.com
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