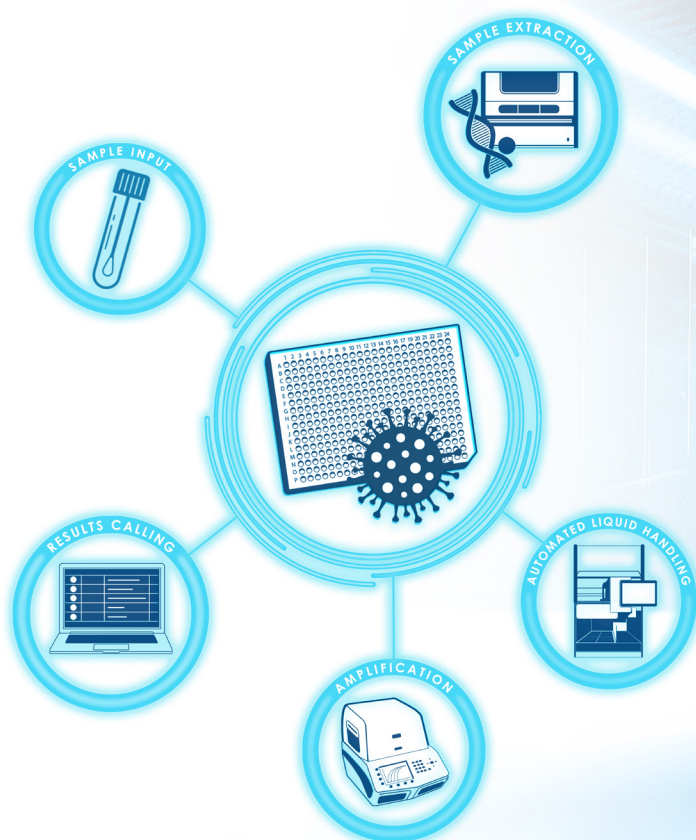


PlexPCR[®] SARS-CoV-2*

Dual target COVID-19 test

Scalable solution supporting surge capacity



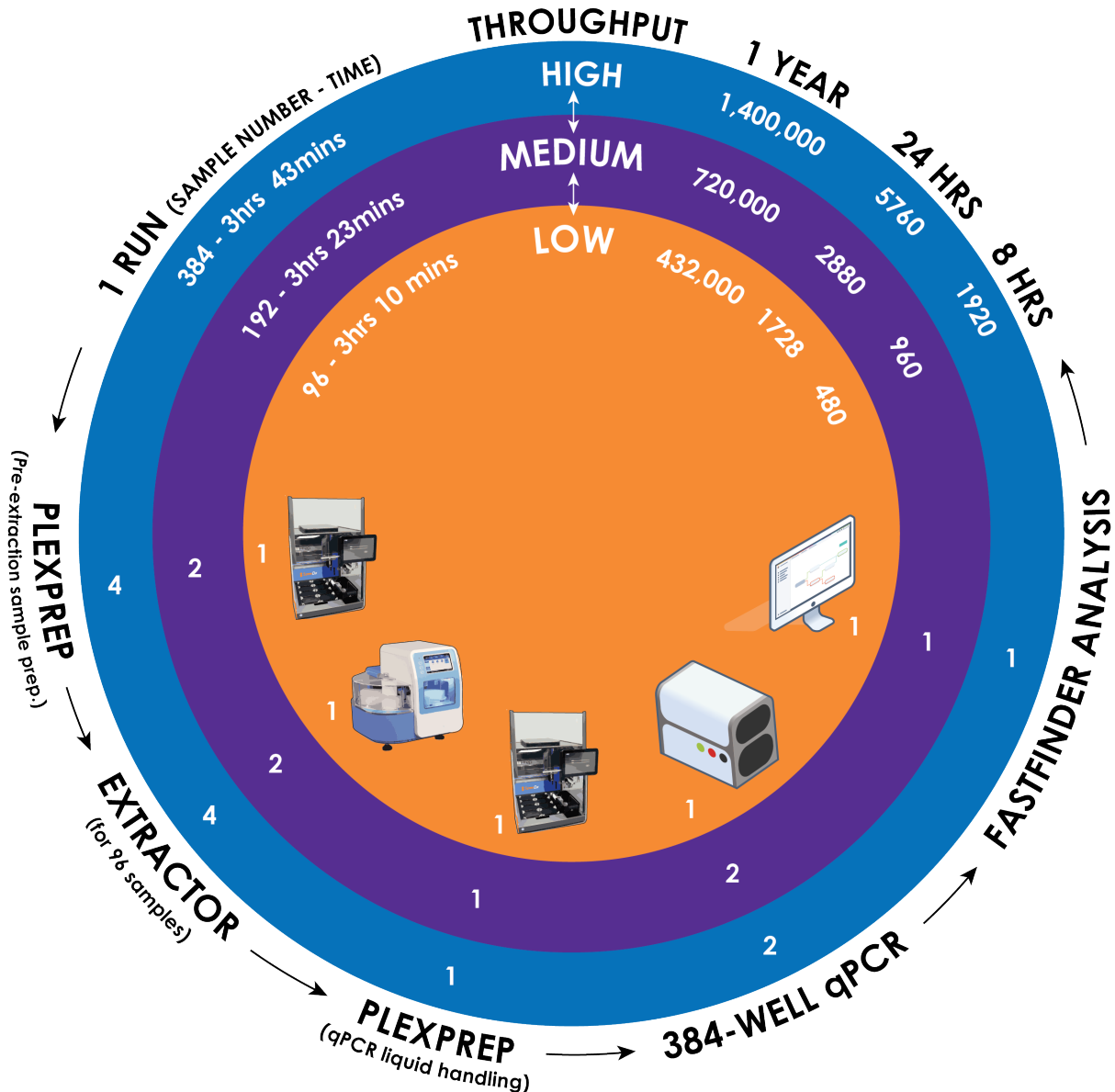
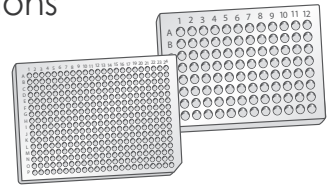
Simple workflow, seamless integration

- ▶ High-throughput, compatible with 384-well and liquid handling instrumentation to accelerate time to result.
- ▶ Supply chain security for high-volume testing based on unique probe chemistry technology.
- ▶ Detect known circulating variants* with confidence - conserved dual target (RdRp/ORF1ab) design for high specificity and sensitivity.

Scalable throughput with minimal equipment

Maintain clinically relevant turn-around using 96- or 384-well options

- ▶ Improve efficiency and cost-effectiveness with **PlexPrep™** automation
- ▶ 384-well format: up to **1920 samples** in 8 hrs with a single FTE^s



SpeedX Analysis software

- ▶ Automate data processing and results interpretation for large numbers of samples simultaneously.
- ▶ Speed up results processing and spend your time only on the few samples that require attention.
- ▶ Automated plate set-up options for a streamlined workflow.
- ▶ High security and GDPR compliant with LIS compatibility.

PlexPrep™ - clever, compact robotics

Accelerate your sample preparation and qPCR set-up with the **SpeedX PlexPrep™** automation solution. Fast, precise, and easy to use, ideal for testing surges.

- ▶ Includes nimble 8+2 pipetting configuration, liquid level detection, and monitored air displacement technology for rapid and reproducible performance

- ▶ Compact system (63.5cm x 53.4cm, 41.6kg) with integrated touchscreen

- ▶ Compatible with range of primary specimen tubes, extraction consumables, and 96- and 384-well plates

Test with confidence

- ▶ Two-target design focused on non-variable gene targets *ORF1ab* and *RdRp*, plus RNA-based Internal Control.
- ▶ Conserved gene regions for excellent specificity and clinical sensitivity,^ψ¥ unaffected by spike protein mutations and other known variants.
- ▶ Full process control monitors extraction performance, RT-step and amplification for full confidence in results.

^ψ Contact tech@speedx.com.au for up-to-date QAP data

¥ Based on in silico investigation as of April 2021

PlexPCR® SARS-CoV-2 is a dual-target, single-well, multiplex reverse transcriptase qPCR test for the detection of COVID-19 causative coronavirus (SARS-CoV-2) plus RNA internal control.¹

Powered by proprietary **PlexPCR®** technologies demonstrating improved multiplex performance compared with other probe-based tests.²

Well	Channel	Target
1	1	ORF1ab
	2	RdRp
	3	RNA Internal Control

Validated with upper respiratory samples including nasopharyngeal and nasal swabs.¹

Demonstrated clinical performance¹

Clinical evaluation of PlexPCR® SARS-CoV-2 (n=142)	
Positive Percent Agreement	93.26% (95% CI 85.90 - 97.49%)
Negative Percent Agreement	96.23% (95% CI 87.02 - 99.54%)
Overall Rate of Agreement	94.37% (95% CI 89.20 - 97.54%)

Composite reference result from Abbott m2000 SARS-CoV-2 assay & BGI real-time fluorescent RT-PCR Kit for detection of SARS-CoV-2.¹

Streamline your Respiratory testing **PlexPCR® SARS-CoV-2 plus PlexPCR® RespiVirus**

PlexPCR® SARS-CoV-2 workflow is compatible with **PlexPCR® RespiVirus** for a comprehensive Respiratory virus testing solution. A single extraction, combined amplification and automated analysis workflow, utilising just 3 wells for 12 results.

Product	Compatible	Size	Cat#
PlexPCR® SARS-CoV-2*	LC480 II	384 reactions†	1301384
Related Products	Compatible	Size	Cat#
PlexPCR® RespiVirus	LC480 II	100 reactions 192 reactions†	1201001 1201192
PlexPrep™ Automation Solution	Enquire	1 unit	6600200-01
PlexPCR® Colour Compensation	LC480 II	2 reactions	90001

References: 1. **PlexPCR® SARS-CoV-2** Instructions for use. 2. Tan LY et al, PLOS ONE. 2017; 12(1): e0170087.

*CE-IVD, not yet TGA cleared, not for sale in USA. †Additional volumes provided for use with liquid handling systems.

PlexPCR® SARS-CoV-2 and **RespiVirus** kits are developed and manufactured by **SpeedX Pty Ltd**, Sydney. **PlexPCR®** & **SpeedX®** are registered trademarks of **SpeedX Pty Ltd**. Other copyright and trademarks are the property of the respective owners. **SpeedX Pty Ltd** products may be covered by one or more local or foreign patents. Visit www.plexpcr.com/ patents for comprehensive patent information.

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