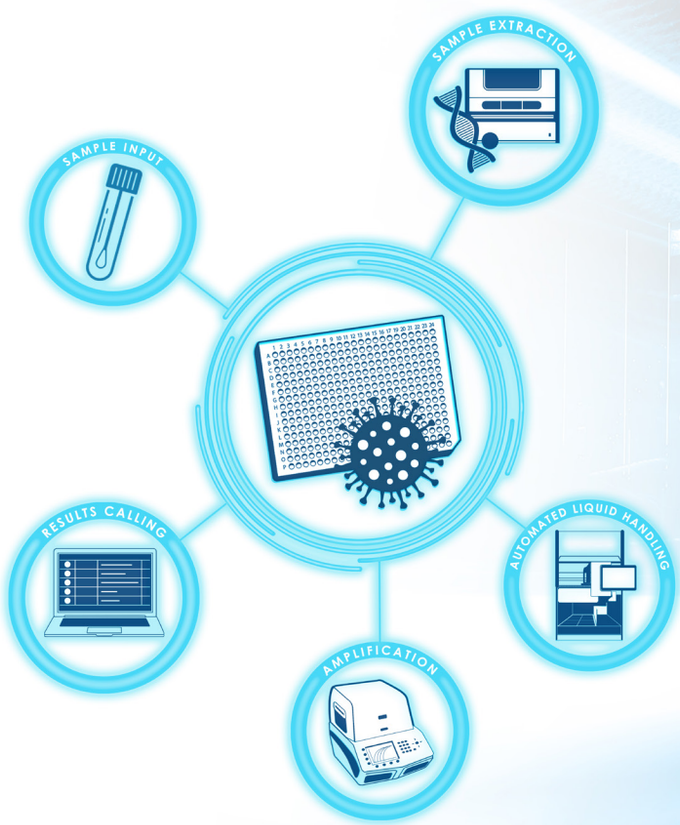
PlexPCR® SARS-CoV-2

Dual target COVID-19 test

Scalable solution supporting surge capacity



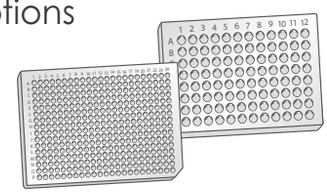
Simple workflow, seamless integration

- 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

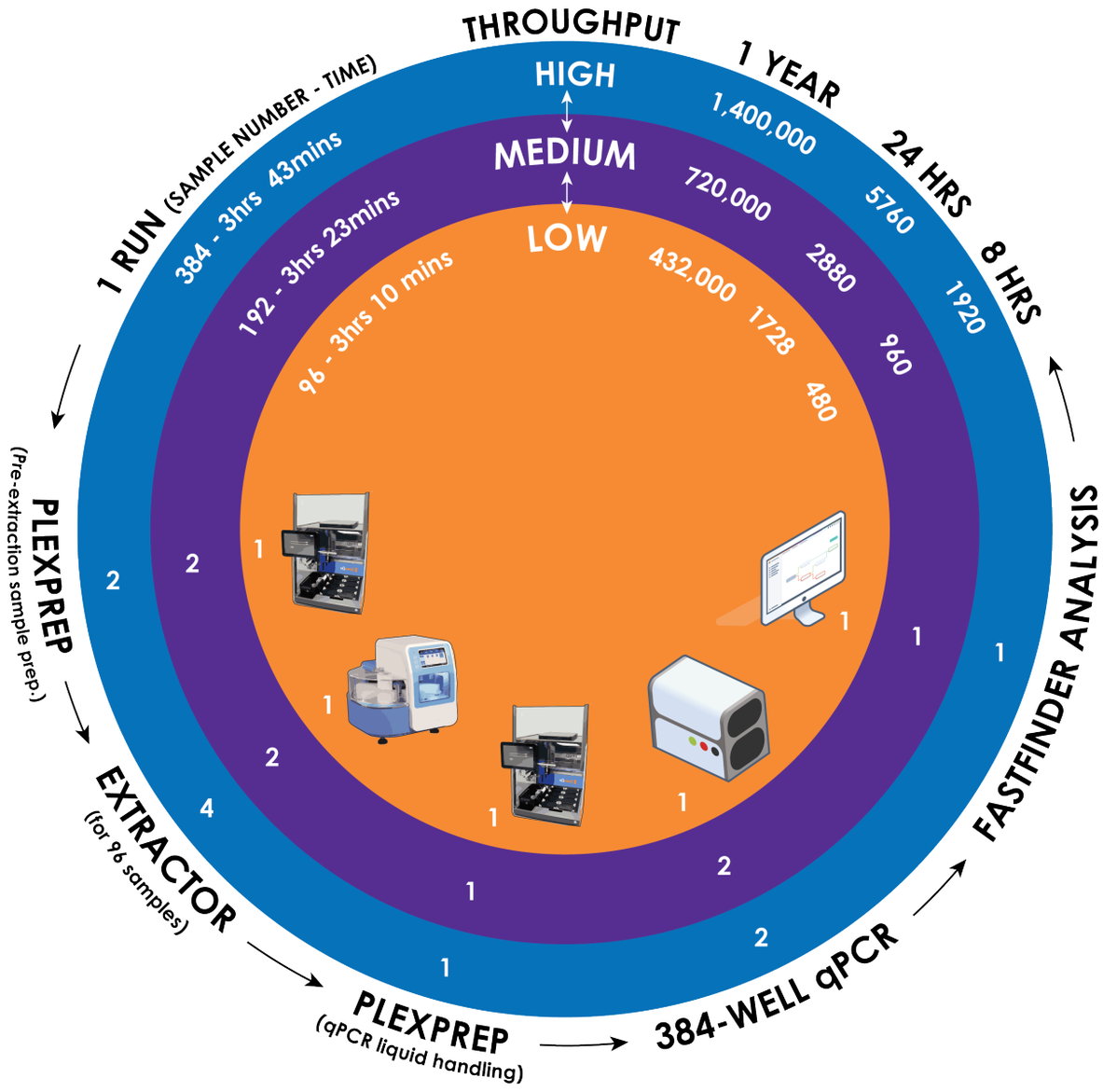
SpeeDx

Scalable throughput with minimal equipment

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



- Improve efficiency and cost-effectiveness with ***Plex****Prep*® automation
- 384-well format: up to **1920 samples** in 8 hrs with a single FTE§



SpeeDx Analysis software

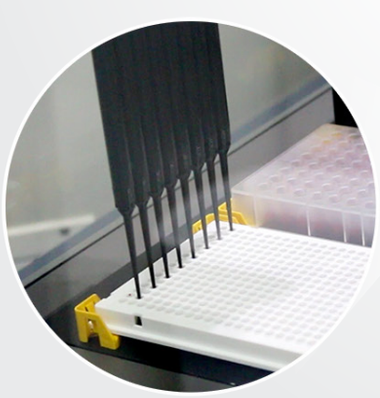
- Automate data processing and results interpretation for large numbers of samples simultaneously
- Speed up results processing and spend your time only on the few samples that require attention
- Automated plate set-up options for a streamlined workflow
- High security and GDPR compliant with LIS compatibility

*Plex*Prep® - clever, compact robotics

Accelerate your sample preparation and qPCR set-up with the **SpeeDx *Plex*Prep®** 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 amplication for full confidence in results

SpeeDx

***Plex**PCR*® 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 ***Plex**PCR*® technology 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 nasopharyngeal swab specimens.[1]

Demonstrated clinical performance[1]

Clinical evaluation of ***Plex**PCR*® 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 ***Plex**PCR*® SARS-CoV-2 *plus* ***Plex**PCR*® RespiVirus

***Plex**PCR*® SARS-CoV-2 workflow is compatible with ***Plex**PCR*® 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#
***Plex**PCR*® SARS-CoV-2*	LC480 II / CFX	384 reactions†	1301384
Related Products	**Compatible**	**Size**	**Cat#**
***Plex**PCR*® RespiVirus	LC480 II	100 reactions 192 reactions†	1201001 1201192
***Plex**Prep*® Liquid Handler	Enquire	1 unit	6600200-01
***Plex**PCR*® Colour Compensation	LC480 II	2 reactions	90001

¥ Based on *in silico* investigation as of May 2024
§SpeeDx calculations with ***Plex**Prep*® Liquid Handler
Ψ Contact tech@speedx.com.au for up-to-date QAP data
†Additional volumes provided for use with liquid handling systems
Available only in Australia and NZ

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

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