



Rapi:chip™

PCR chip for ultra-fast reactions

Upgrade to a new format, the microfluidic chip!

A new PCR concept was born when precision molding technology met film bonding know how. Rapi:chip™ was developed from the understanding of the challenges in routine PCR. We found the protocol duration could be dramatically reduced when efficient heat transfer is made during the thermal cycling process. By designing a unique 3-dimensional polymer chip, ultra-fast thermal cycling became possible.



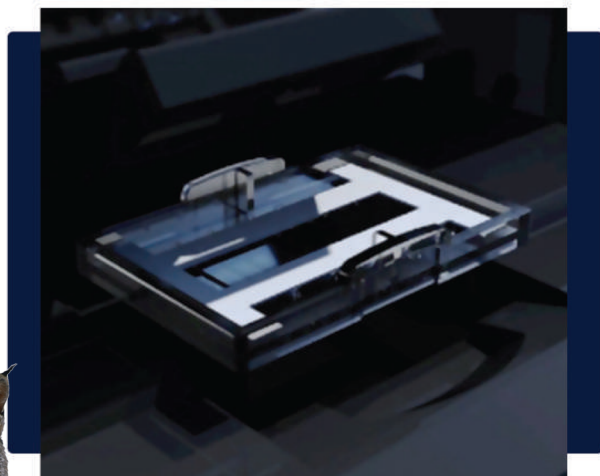
Multiple Formats

Options are available for both thermal cycling and real-time PCR analysis. Rapi:chip™ is supplied in two formats. The qPCR version of the chip has 10 wells and the top of each well is open for real-time fluorescence measurement. Rapi:chip/16™ is a version which can accommodate 16 samples and is ideal for amplification of standard PCR.



Less Power Consumption

The well volume is only 10µl, which facilitates faster heating and cooling of the sample. The technology also enables a more environmentally friendly design. The machine only uses 70 watts of power, which is up to 10 times less than conventional units. The Rapi:chip™ is contamination and transformation free.



How to load samples

1. Prepare sample according to suggested protocol. Volume of sample mixture should be 10µl
2. Using micropipette, aspirate prepared sample mixture (10µl)
3. Place Pipette tip into the inlet hole of Rapi:chip™ and dispense the entire volume of the aspirated sample
4. Seal all holes using the enclosed sealing tape, rub the surface of the sealed area to secure the sealing

Available in Canada from...

MJS
BioLynx
INC.

1-888-593-5969 • www.biolynx.ca • tech@biolynx.ca





Rapi:chip™

Specifications

Dimension	38mm (w) x 25mm (d) x 6mm (h)
Weight	3.56g
Number of Wells	10 Wells (Rapi:chip™), 16 Wells (Rapi:chip/16™)
Volume of Each Well	10µl
Aperture Diameter	0.6mm
Channel Height	0.5mm
Channel Length	8.0mm
Channel Width	2.0mm
Material	Transparent Polymer
Transparency	More than 95%

Ordering Information

Cat. No.	Description	Pack
001100	Model UF-100 GENECHECKER® Ultra-Fast Thermal Cycler	1 SET
002001	Rapi:chip™ PCR Chip for GENECHECKER® – Small Pack	48/PK
002002	Rapi:chip™ PCR Chip for GENECHECKER® – Medium Pack	384/PK
002003	Rapi:chip™ PCR Chip for GENECHECKER® – Large Pack	768/PK
002004	Rapi:chip/16™ PCR Chip for GENECHECKER® – Small Pack	48/PK
002005	Rapi:chip/16™ PCR Chip for GENECHECKER® – Medium Pack	384/PK
002006	Rapi:chip/16™ PCR Chip for GENECHECKER® – Large Pack	768/PK
003001	Car Connection Power Kit	1 SET

Victory Scientific
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