

# Philisa<sup>®</sup> Thermal Cycler

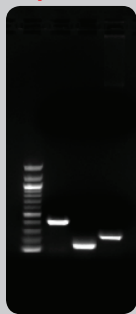
Reliable PCR in Under 15 Minutes



- The Philisa Thermal Cycler is an innovative high speed polymerase chain reaction (PCR) instrument with the potential to improve laboratory efficiency and flexibility. Industry leading ramp rates, excellent thermal control and thin-walled plastic tubes enable your lab to perform reliable PCR in under 15 minutes.

Patent pending, For General Laboratory Use

## Rapid PCR Results



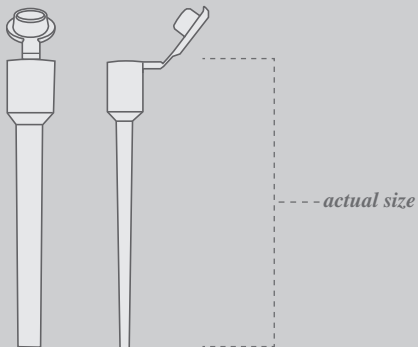
L 1 2 3

Rapid PCR from lambda, E. coli, and human genomic DNA in the Streck Philisa Thermal Cycler.

Amplicon	# of Cycles	Base Pairs	Run Time (Min)
Lambda (Lane 1)	30	402	13
E. coli (Lane 2)	30	142	12
hgDNA (Lane 3)	40	213	<15

## Philisa PCR Tubes - 50 $\mu$ l

Efficient Heat Transfer for Rapid Amplification



### Features:

- High quality polypropylene
- Thin wall design for efficient, uniform heat transfer
- Attached, tight-locking lids with writeable surface
- DNase / RNase free and packaged in sealed containers

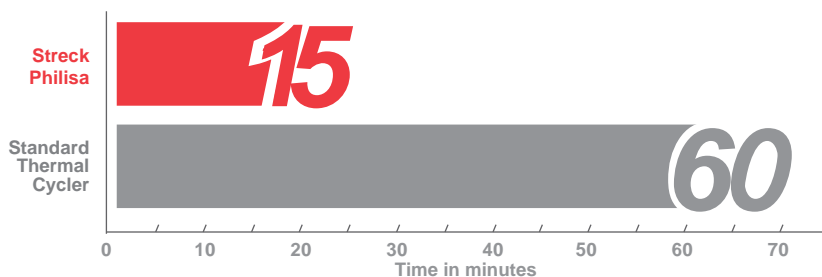
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Please see the reverse side of this flyer for more information.

## The Speed You Need

Reduce your PCR amplification time from hours to less than 15 minutes using standard PCR chemistry. While other thermal cyclers offer maximum ramp rates of 5°C/s, Philisa achieves heating ramp rates up to 15°C/s and cooling ramp rates up to 12°C/s.

### Comparative Total Run Time



## The Flexibility You Want

- Easily create complex protocols with Philisa's intuitive Windows<sup>®</sup>-based software. Developed with input from industry experts, the simple yet versatile program will meet your protocol design needs both now and in the future.
- Perform fast PCR under a diverse range of assay conditions. With the Philisa Thermal Cycler you can use 10-50 $\mu$ l reaction volumes, various DNA types, and different enzyme brands while still achieving fast amplification.

## The Reliability You Expect

- Reproducibility between wells and specific, high-yield results are critical to successful PCR. Philisa's temperature accuracy and short hold times enable specific high-yield PCR for even the most difficult templates.
- Streck offers a two year warranty and a Technical Support team to answer any question you may have.

800.843.0912  
www.streck.com

**Streck**  
Clinical Laboratory Products You Can Count On.

## Product - United States

## Catalog #

Philisa Thermal Cycler and instrument accessories	250000
Philisa computer and accessories	250001
Philisa PCR Tubes (Container of 100 tubes)	250005

## Philisa Thermal Cycler Specifications

Size	20cm width, 21cm height, 29cm depth
Weight	3.4kg
Power Requirements	100-120 / 200-240 VAC, 50/60 Hz
Sample Capacity	8 x 50 µl thin-wall plastic tubes
Recommended Sample Volume	10-50 µl
Block	Low thermal mass silver block
Maximum Ramp Rate	15°C / sec heating, 12°C / sec cooling
Average Ramp Rate	12°C / sec heating, 9°C / sec cooling
Thermal Uniformity	+/- 0.5°C
Thermal Accuracy	+/- 0.25°C, NIST traceable
Thermal Range	15°C -100°C
Warranty	2 years parts and labor
User-Interface	Netbook (1 year warranty)
Netbook Memory	1 GB
Philisa PCR Tubes	Polypropylene, 0.2mm wall thickness

## About Streck



Founded in 1971 and headquartered in Omaha, Nebraska, Streck, Inc. manufactures hematology, chemistry, immunology and molecular products for clinical and research laboratories and is the technology leader in cell stabilization.

