



Authorized Distributor



Life Technologies (India) Pvt. Ltd.

306, Agarwal City Mall, opposite M2K Pitampura

City: Delhi **Zip:** 110034 **Serving Country:** India

Phone: +91-11-4220-8000

Fax: +91-11-4220-8444 **Web:** www.atzlabs.com

General questions about this product e-mail us at:
amplifyrp@agdia.com

Amplify[®]RP
Discovery Kits

Discover what AmplifyRP can do for you.





AmplifyRP
Acceler8

End-point detection



AmplifyRP
XRT

Real-time fluorescence detection.

Endless Possibilities for DNA Detection

AmplifyRP Overview

AmplifyRP is a rapid isothermal nucleic acid amplification and detection platform that is based on patented Recombinase Polymerase Amplification (RPA) technology.

AmplifyRP can achieve similar sensitivity and specificity to that of PCR based testing methods, but has some clear advantages. Unlike PCR, AmplifyRP testing formats do not require thermal cycling. The entire amplification process is completed at a single operating temperature (39°C) using a portable heat block or fluorometer.

Additionally, AmplifyRP does not require any nucleic acid purification steps. Crude sample extracts can be prepared using a simple extraction buffer and can be tested directly. This makes the testing process very simple and saves the end-user valuable time.

Amplification products may be detected at end-point or in real-time depending on the desired format. Most assays can be completed in 30 minutes or less including sample extraction.

	PCR	AmplifyRP
High sensitivity	✓	✓
High specificity	✓	✓
Simple (crude) sample extraction	✗	✓
No thermal cycling	✗	✓
Portable	✗	✓
Extraction to results in minutes	✗	✓

AmplifyRP Discovery Kits

AmplifyRP Discovery Kits provide all the reagents necessary to amplify DNA at a single operating temperature (39°C) lyophilized into individual reaction pellets. The end-user can then design their own primers and probes for a specific target, mix them with our amplification reagents, and get results (generally in less than 30 minutes). RNA amplification is also possible with the addition of reverse transcriptase.

The testing process is simple:

- Make a **Master Mix** using a supplied rehydration buffer and the primers & probe that you design
- Rehydrate the reaction pellets included in the kit using the **Master Mix**
- Heat the reaction at 39°C for 15 to 30 minutes. This step may be done using a portable heat block for end-point detection OR using a portable fluorometer which will also display results in real-time
- Get results!

AmplifyRP is available in two easy-to-use formats:

AmplifyRP Acceler8 is designed for end-point detection of amplified product using a lateral flow strip that is housed inside an amplicon detection chamber.

AmplifyRP XRT allows real-time detection of amplified product using one of several commercially available portable fluorometers.

Agdia has worked with all types of pathogens including viruses, viroids, bacteria, fungi, and phytoplasma using AmplifyRP technology, and we can offer assistance in assay design where necessary.

For more information on AmplifyRP Discovery Kits, please contact us at amplifyrp@agdia.com.