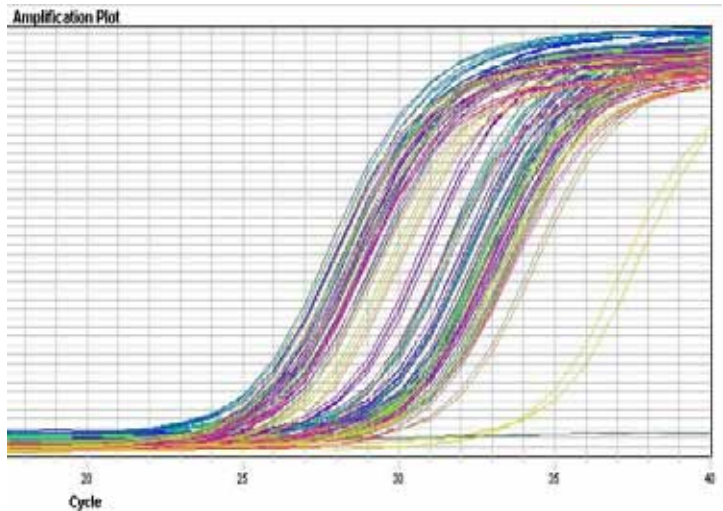
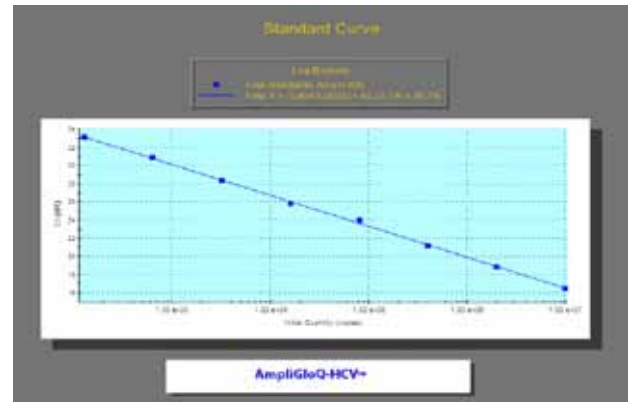


AmpliGloQ-HCV™

detection of HCV infection has been facilitated by the development of HCV antibody detection assays (immunoserological). However, antibody detection methods are of restricted use because there is long delay between infection and seroconversion (15-22 weeks). Loss of antibody in individuals with acute infections has also been reported. Furthermore immunoserological test data does not differentiate between current or prior HCV infection. Techniques that provide direct detection of HCV virus can augment immunoserological test results. Amplification detection of HCV nucleic acid by the Polymerase Chain Reaction (PCR) has been shown to be an effective method for the detection of HCV RNA. Detection of Hepatitis C Virus RNA by Realtime RT-PCR is useful in research, viral load analysis for monitoring treatment effectiveness, and confirmation of HCV infection.

The AmpliGloQ-HCV™ Test Kit, version 2.0, is an in vitro test for the **quantitative** determination of HCV in human cell-free body fluid samples and the simultaneous detection of HCV-specific Internal Control (IC). HCV genome is a positive sense single-stranded RNA that is reverse-transcribed to generate cDNA copy prior to PCR amplification. The kit incorporates a Realtime RT-PCR technique for the detection of low quantities of HCV RNA. The kit includes all the components for quick isolation of HCV RNA from human cell-free body fluid and reagents for performing RealTime RT-PCR reactions.

AmpliGloQ-HCV™ is a complete kit for the purification of viral RNA from cell-free body fluids using silica EZ-Spin column technology and subsequent Realtime RT-PCR analysis by performing a one-step reverse transcription (RT) and cDNA amplification (PCR) of Hepatitis C viral RNA in a single tube. All the reagents and plastics necessary to perform quick yet highly efficient isolation (>90% yield) of viral RNA are provided. Each RT-PCR reaction is provided as Ready-To-Use Master-Mix reaction. Each reaction mix contains all the necessary reagents including the specific primers and probes for performing a single-tube, single-step reaction. Simply add RNA template to the reaction tube, mix well and cycle. A 1000X Positive Control (1.2E6 copies/ul) is provided to be used for positive control or to generate standard curve. The kit has been optimized for consistent and reproducible Realtime amplification of HCV RNA. The kit format significantly reduces the number of pipetting steps, thereby increasing the reproducibility of the RT-PCR technique and minimizing the risk of contamination. The kit is compatible with any Realtime machine that has a FAM (for HCV) and TET (for IC) channels.



Specifications:		
Genotype Detection	Developed to detect all genotypes genotype 1-4 have been validated	
Sensitivity	100%	
Specificity	100%	
Detection Limit	40 copies/mL (1 ml sample)	
Linearity	Up to 10 logs	
Variance	<0.5 logs	
Sample Type	Cell-free body fluid	
Purification Efficiency	>90% recovery at any viral titer	
Analysis Time	30-50 mins, Machine dependent	
Catalog Numbers	RTP-80001 50 reactions	RTP-80002 100 reactions

Ana-Gen Technologies, Inc.
2865 N. Berkeley Lake Road, Suite 10
Duluth, GA 30096, USA
Tel: 404-223-5090, Fax: 404-601-0747
www.ana-gen.com