



**Molecular solutions  
engineered to your  
application**

# Apto-Gen as Your Partner

Apto-Gen was created in 2019 by two co-founders who are experts in biotechnology, enzyme stabilization technologies, bespoke product development and manufacturing.

As individuals, we have collaborated with several of the largest global diagnostics and biotechnology companies, at the cutting-edge of their research and development.

## Quality Management System

Quality is at the core of our business, with our quality management system certified to ISO 13485:2016. We work to exacting standards, delivering the highest quality products to complement your needs.

## Consistency

Our validated manufacturing processes and quality control testing ensures consistency of your product lines. We will also provide bulk volumes of single lots to support your assay development.

## Value

Large-scale manufacturing of reagents allows for very competitive pricing, as well as flexibility to fit with in your dispensing, packaging and ordering requirements.

## Knowledge

With over 40 years' collective technical and commercial expertise in the molecular biology field, you can have confidence that our enzymes and reagents, and our master mixes, are designed to suit your applications and workflows. Our systematic approach to product development enables us to rapidly and effectively manufacture products customized to your specific design requirements and specifications.

## Support

You get expert technical support directly from the R&D scientists who have developed your product. We can also guide you in identifying the best suited technology for your assay and assist with environmental or health and safety requirements throughout our partnership.

# Advantages of Apto-Gen's Reagent Technology

Molecular diagnostics are becoming increasingly essential in human and veterinary healthcare for early diagnosis of disease, and for improved patient outcomes. Our flexible options will ensure that you have the most suitable technologies to select from for your individualized workflows, to ultimately enhance your performance and diagnosis.

## Lyophilization

We produce lyophilization-compatible enzymes and reagents designed to meet the most demanding test requirements. Lyophilization-compatible material gives you the flexibility to incorporate the reagent directly into your diagnostic systems and provides stability at a wide range of temperatures. Consequently, you benefit from:

- Economical, cold-chain free logistics
- Increased outreach to meet all geographical locations
- Diagnostics at point of care
- Increased LOD by maximizing sample input

## Sensitivity

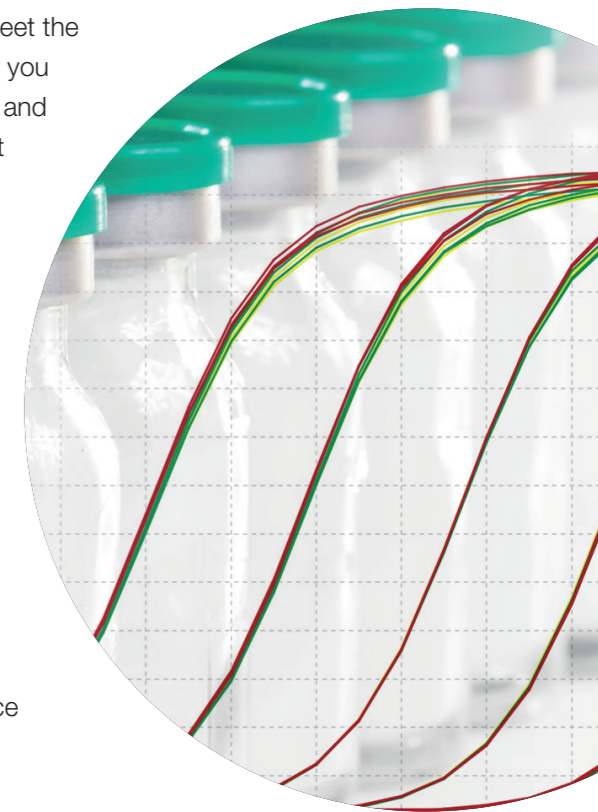
Our enhanced hot-start technology allows for specific and reproducible detection of low copy targets in assays permitting more accurate disease diagnosis and contaminant detection.

## Speed

Our high-processing enzyme and master mix formulations significantly reduce reaction times, and time to results.

## One-Step RT-qPCR Technology

Our one-step RT-qPCR master mixes are formulated for the detection of single-copy and highly structured RNA and DNA targets. They are ideally suited for screening of patient samples for viral pathogens.



## Master Mix Solutions

<b>Lyo PCR Master Mix</b>	401102.5	5 mL
<i>Lyophilizable 2x qPCR master mix</i>		
<b>Lyo RT-PCR Master Mix II</b>	801101.5	5 mL
<i>Lyophilizable 2x RT-qPCR master mix for detection of RNA and DNA targets</i>		
<b>Lyo RT-PCR Master Mix II SF02</b>	801207.3A75	500 reactions
<i>Lyophilizable RT-qPCR master mix supplied in separate format for user optimization</i>		
<b>qPCR Mix II</b>	411102.5	5 mL
<i>2x qPCR master mix for detection of multiplexed gene and pathogen targets</i>		
<b>qPCR Mix Dx</b>	401103.5	5 mL
<i>Low DNA 2x qPCR master mix for detection of single copy targets, lyophilization compatible</i>		
<b>One-Step RT-qPCR Mix C03</b>	811203.5	5 mL
<i>2x one-step RT-qPCR master mix for detection of bacterial and viral pathogens</i>		
<b>cDNA Synthesis Mix</b>	814100.2	500 reactions
<i>5x master mix for rapid and unbiased first-strand cDNA synthesis</i>		

Master Mix Solutions are available in bulk and custom pack sizes and can be customized to suit specific assay requirements, including UDG-compatibility, and addition of passive reference and intercalating dyes

## Enzyme & Reagent Solutions

<b>Glycerol-Free Taq</b>	201101.A02	1,000 U
<i>50 U/μL glycerol-free, low-DNA Taq DNA polymerase, lyophilization compatible</i>		
<b>Glycerol-Free HS Taq</b>	201200.A05	1,000 U
<i>20 U/μL glycerol-free, low-DNA hot-start Taq DNA polymerase, lyophilization compatible</i>		
<b>10,000x Reverse Transcriptase II</b>	331302.A002	1,000 U
<i>500 U/μL M-MLV reverse transcriptase, lyophilization compatible</i>		
<b>RT-RI Enzyme Mix II</b>	311202.A5	500 μL
<i>20x reverse transcriptase and RNase inhibitor mix for RT-qPCR applications</i>		
<b>Glycerol-Free RNase Inhibitor</b>	101100.A05	2,000 U
<i>40 U/μL RNase inhibitor, lyophilization compatible</i>		
<b>Anti-Taq Monoclonal Antibody</b>	101300.A017	500 μg
<i>30 mg/mL anti-Taq monoclonal antibody, lyophilization compatible</i>		
<b>dNTP, 100 mM</b>	601100.A4	40 μmol
<i>dNTP mixture containing dATP, dCTP, dGTP, dTTP at 25 mM each</i>		

For more information about Apto-Gen and our products:  
[www.apto-gen.com](http://www.apto-gen.com) | [info@apto-gen.com](mailto:info@apto-gen.com)

London W14 0HP, United Kingdom

