

ampDRY™ Stabilised qPCR mastermix

Biofortuna Service Provision and Custom Bulk Supply
Offering dry qPCR kits in fully customisable format

ampDRY™ – how the process works...

ampDRY™
mastermix



+

Primers
& probes



→

Dispense into
any format



→

Air Dry
(under temperature
controlled conditions)



→

Just add
DNA



Biofortuna is now offering its patent pending air drying technology as a custom service or mastermix to stabilise complete qPCR assays at ambient temperatures.

This service is offered within our ISO 13485 certified and FDA registered site.

Benefits include;

- Air dried formula contains all buffers, primers, *Taq* and dNTPs
- Easy to manufacture and scale up
- One step process for end user
- Reduce pipetting errors and manual labour
- No user variation – just add DNA
- Accurate and reproducible
- Stable at ambient temperature for 12 months
- No cold chain required for shipping
- Patent pending technology



BIOFORTUNA™
SIMPLY DIAGNOSTICS

ampDRY process

For new product development and Mastermix optimisation

1. Add DNA to ampDRY™ qPCR reactions

- No defrosting, mixing or vortexing required
- No need to calculate and pipette mastermix



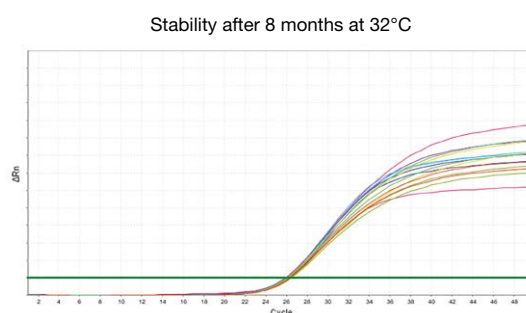
2. Amplify in real time thermal cycler

- Uniform amplification
- Can be used with most real time PCR machines



3. Interpret results

- Works with multiple qPCR technologies
- Sensitive and robust results



1

Design and feasibility studies

- Technical test design

2

Development and validation

- Extensive kit optimisation and validation
- Shelf life stability
- Performance testing and clinical validation

3

Technology transfer and production

- Transfer of assays from development to production
- Triple batch validation
- Low humidity, environmentally controlled production suite

4

Quality

- Raw material, in-process and product release QC
- FDA registered and ISO certified facility
- Full document control processes