

ampDRY™

Stabilised master mix for PCR applications

ampDRY™ – how the process works...

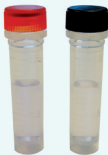
ampDRY™
mastermix

primers
& probes

dispense into
any format

air dry

just add
DNA



ampDRY™ hotstart master mix has been developed to enable complete end-stage or real-time PCR assays to be stabilised in a dry format.

A shelf life at ambient temperatures of at least 12 months, negating the requirement for cold chain shipping and storage.

ampDRY™ allows the straightforward creation of stabilised assays:

Oligonucleotides are combined with the ampDRY™ reagent and dispensed into PCR vessels, then stabilised by controlled air drying.

Once dried, simply add the DNA sample to the stabilised reaction prior to amplification and detection.

ampDRY™ offers significant benefits over other stabilisation techniques for IVD manufacturers.

For new product development and master mix optimisation



Benefits Include:

- Air dried formula contains all buffers, primers, Taq and dNTPs
- Easy to manufacture and scale up
- One step process
- 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

ampDRY™ master mix is available in both bulk and small volumes, making it suitable for commercial manufacturers and laboratory use.

Biofortuna also offers full IVD contract manufacturing services using ampDRY™ and can customise the manufacturing process to match requirements and create bespoke, cost-effective stabilised products.

01

Design and feasibility studies

- Technical test design

02

Development and validation

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

03

Technology transfer and production

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

04

Quality

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