

Air-Dryable qPCR Mix





Ready-to-use qPCR mix ideal for oven or air-drying technologies

SUITABLE APPLICATIONS

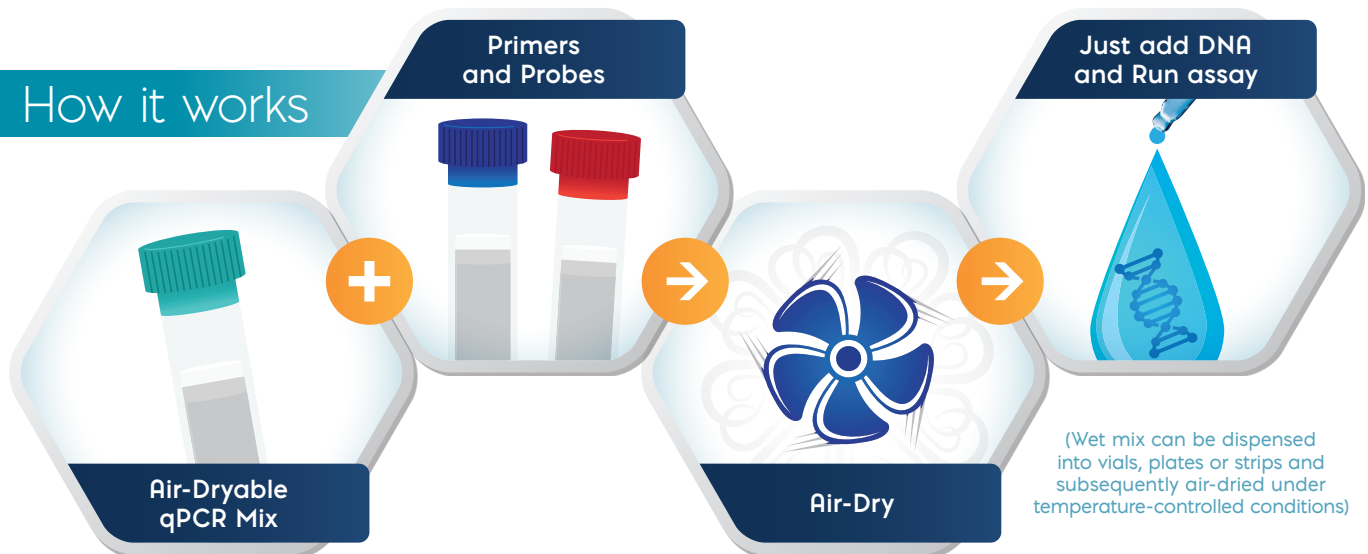
-  Food Testing
-  Environmental
-  Human Diagnostics
-  Vet Health

Air-Dryable qPCR Mix is a glycerol-free qPCR mix containing Taq polymerase, reaction buffer, dNTPs, MgCl₂ and air-dry compatible excipients. The mix is easy to use and ideal for developing ambient temperature, multiplex qPCR assays. Advantages to ambient-temperature assays include room temperature shipping and storage, extended shelf-life and increased flexibility in sample volume.

What you need

-  ✓ Air-Dryable qPCR Mix
-  ✓ Primers & Probes
-  ✓ Oven
-  ✗ Excipients to stabilize the mix
-  ✗ Freeze drying equipment (e.g. refrigeration system, vacuum, condenser etc.)

How it works



Air-Dryable qPCR Mix

- Simple and easy to use
- Ideal for multiplex assays on POC diagnostic platforms or automated high-throughput instruments
- Compatible with a range of air-drying protocols to produce an ambient temperature stable mix
- Reduces cost and complexity

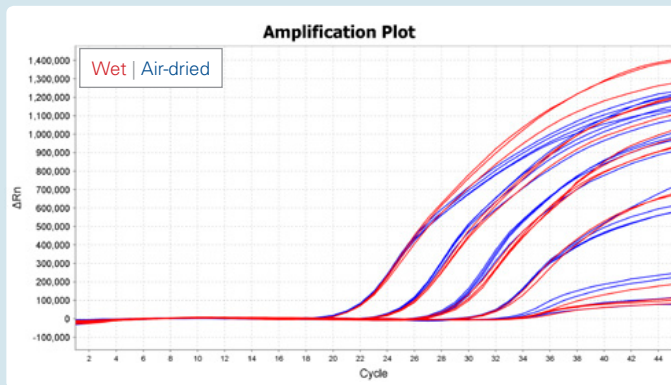
Air-Dryable qPCR Mix, 4x

CAT NO.	VOLUME	REACTIONS
MDX082	5 mL	1,000 Rxn
	50 mL	10,000 Rxn

Product Highlights

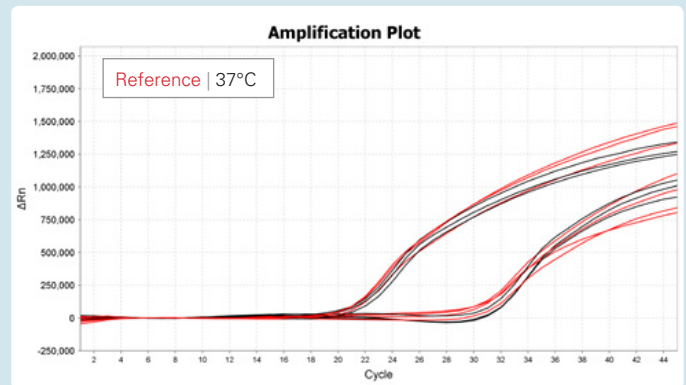
Full enzyme activity following air-drying

Activity of Air-Dryable qPCR Mix in both wet and air-dried formats were compared by singleplex qPCR assay on 10-fold dilution mouse cDNA template. The air-dried mix showed no loss of activity and sensitivity when compared to freshly prepared wet mix up to the assay limit of detection.



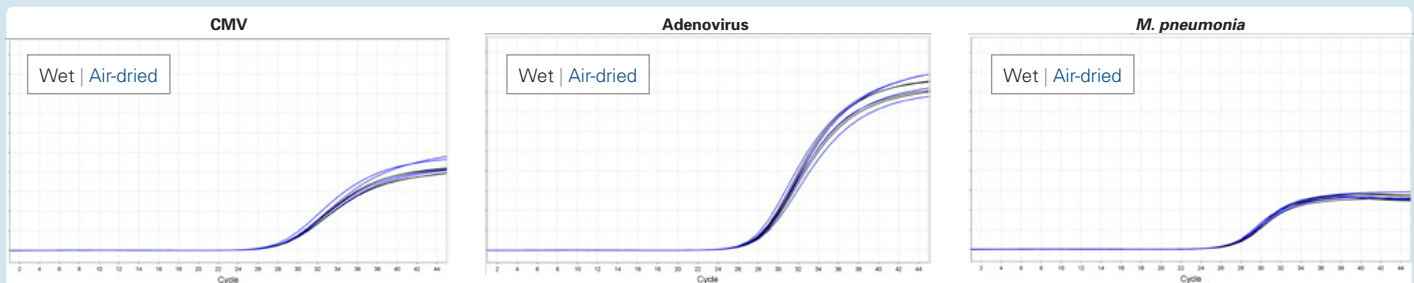
Stable shelf-life for up to 12 months

Air-Dryable qPCR Mix was air-dried and the stability was tested in an accelerated stability study. The air-dried mix was incubated at 37°C for 8 weeks and tested against a freshly prepared mix by qPCR assay on 100-fold template dilutions. Results suggest that the air-dried mix is active following accelerated stability tests with projected 12 months stability at ambient temperature.



High efficiency and sensitivity in multiplex reactions

Activity of Air-Dryable qPCR Mix in both wet and air-dried formats were compared by multiplex qPCR assay on complex DNA template from an inactivated respiratory pathogen panel (CMV, Adenovirus, *M. pneumonia*). Results show no loss of activity for the Air-Dryable qPCR Mix and a high multiplexing capability following air-drying.



Ordering information:

USA
5171 Wilfong Road
Memphis, Tennessee 38134
Fax: +1 901-333-8223
Toll Free: +1 800 327 6299

Email: info@meridianlifescience.com
Orders: orders@meridianlifescience.com
www.MeridianLifeScience.com

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