

DMET™ Plus Starter Pack

Intended Use

Human genome sequence variation, which includes both single nucleotide polymorphisms (SNPs) as well as more complex structural variation in the form of insertions, duplications and deletions, underlies each individual's response to drugs. The DMET™ Plus Kit is part of the DMET™ (Drug-Metabolizing Enzymes and Transporters) Plus Premier Pack that enables comprehensive and accurate genotyping of specific polymorphisms involved in drug metabolism response.

The polymorphisms represented in this product were chosen by virtue of their functional significance as documented in the scientific literature and have been publicly reviewed and prioritized by a panel of experts made up from both the pharmaceutical industry and academia. The product is capable of genotyping 1,936 high-value drug metabolism and transporter markers in ~130 genes. These markers have been evaluated across a minimum of 1,200 individuals from multiple populations, including Caucasian, African and Asian.

For Research Use Only. Not for use in diagnostic procedures.

NOTE: From time to time the genomic controls may be retired.

DMET Plus Starter Pack, P/N 901495

The contents of the DMET Plus Starter Pack is sufficient to process 7 samples and 1 control. This kit consists of:

DMET™ Plus Reagent Kit, P/N 901494, consisting of:

- DMET™ Plus Pre-Amp Kit, P/N 901273
- DMET™ Plus Panel Kit, P/N 901493
- DMET™ Plus Labeling Kit, P/N 901271
- DMET™ Plus Hyb-Stain Kit, P/N 901492

Wash Solution A (1 bottle)

Wash Solution B (1 bottle)

8 DMET™ Plus Arrays

Instructions for use

Refer to the *DMET™ Plus Starter Pack User Guide* (P/N 702796) and the *DMET™ Plus Starter Pack Quick Reference Cards* (P/N 702798) for instructions on processing genomic DNA and controls using this kit.

For single use only. Do not thaw and refreeze reagents. Use immediately once thawed.

DMET Plus Pre-Amp Kit, P/N 901273

Component	Volume
Store at -20 °C.	
Enzyme A	10 µL
Buffer A	300 µL
Pre-Amp Water	1.5 mL
GapFill Mix 1	10 µL
GapFill Mix 2	200 µL
Exo Mix	300 µL
Universal Amp Mix	2 mL
Cleavage Enzyme	30 µL
dNTP Mix	300 µL

DMET Plus Panel Kit, P/N 901493

Component	Volume
Store at -20 °C.	
DMET mPCR Primer Mix	120 µL
DMET MIP Panel	120 µL
1XTE Buffer	2 mL
PCR Dilution Buffer	6 mL
DMET gDNA Control 5	25 µL

DMET Plus Labeling Kit, P/N 901271

Component	Volume
Store at -20 °C.	
PCR Cleanup Mix	200 µL
Post-Amp Water	1 mL
Fragmentation Buffer	250 µL
Fragmentation Reagent	25 µL
DNA Labeling Reagent	75 µL
5XTdT Buffer	420 µL
TdT Enzyme	70 µL

DMET Plus Hyb-Stain Kit, P/N 901492

Component	Volume
Store at -20 °C.	
Oligo Control Reagent	70 µL
Hybridization Solution	3 mL
Stain Buffer	4 mL
Hold Buffer	4 mL

Wash solutions

Component	Volume
Store at room temperature.	
Wash Solution A (1 bottle)	500 mL/bottle
Wash Solution B (1 bottle)	500 mL/bottle

Arrays

Component	Quantity
Store at 4 to 8 °C.	
DMET Plus Array	8

Ordering information

P/N	Product Name	Description
901495	DMET Plus Starter Pack Consists of: <ul style="list-style-type: none">DMET Plus Reagent Kit, P/N 901494 (1 kit)Wash Solution A (1 bottle)Wash Solution B (1 bottle)DMET Plus Array, P/N 901511 (8 arrays)	Sufficient for 7 samples and 1 control

Precautions

- AFFYMETRIX REAGENTS ARE FOR RESEARCH USE ONLY; NOT FOR DIAGNOSTIC PROCEDURES.
- Avoid microbial contamination, which may cause erroneous results.
- WARNING: All biological specimens and materials with which they come into contact should be handled as if capable of transmitting infection and disposed of with proper precautions in accordance with federal, state and local regulations. This includes adherence to the OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030) for blood and other potentially infectious materials governed by this act. Never pipet by mouth. Avoid specimen contact with skin and mucous membranes.
- CAUTION: Exercise standard precautions when obtaining, handling and disposing of potentially carcinogenic reagents.
- Exercise care to avoid cross-contamination of samples during all steps of this procedure, as this may lead to erroneous results.
- Use powder-free gloves whenever possible to minimize introduction of powder particles into sample or probe array cartridges.
- Four different reagent boxes are provided to allow storage of the components in a manner consistent with the recommended workflow to minimize the chance of DNA contamination.

Storage, handling and stability

Store as directed on each box.

For single use only. Do not thaw and refreeze reagents. Use immediately once thawed.

Reagents are stable until the expiration date indicated.

Safety information

Material Safety Data Sheets (MSDSs) are available from Affymetrix at www.affymetrix.com/support/technical/safetydatasheetsmain.affx.

If the product is a kit or is supplied with more than one material, please refer to the MSDS for each component for hazard information.

Contact Information

Affymetrix, Inc.

3420 Central Expressway
Santa Clara, CA 95051 USA
E-mail: support@affymetrix.com
Tel: 1-888-362-2447
Fax: 1-408-731-5441

Affymetrix UK Ltd.

Voyager, Mercury Park,
Wycombe Lane, Wooburn Green,
High Wycombe HP10 0HH
United Kingdom
E-mail: supporteurope@affymetrix.com
UK and Others Tel: +44-(0)1628-552550
France Tel: +33-08-00-91-95-05
Germany Tel: +49-01803-001334
Fax: +44-(0)1628-552585

Affymetrix Japan, K.K.

ORIX Hamamatsucho Bldg, 7F
1-24-8 Hamamatsucho, Minato-ku
Tokyo 105-0013 Japan
Email: supportjapan@affymetrix.com
Phone: +81-(0)3-6430-4020
Fax: +81-(0)3-6430-4021

Please visit our web site for international distributor contact information www.affymetrix.com.

Limited license

Subject to the Affymetrix terms and conditions that govern your use of Affymetrix products, Affymetrix grants you a non-exclusive, non-transferable, non-sub-licensable license to use this Affymetrix product only in accordance with the manual and written instructions provided by Affymetrix. You understand and agree that except as expressly set forth in the Affymetrix terms and conditions, that no right or license to any patent or other intellectual property owned or licensable by Affymetrix is conveyed or implied by this Affymetrix product. In particular, no right or license is conveyed or implied to use this Affymetrix product in combination with a product not provided, licensed or specifically recommended by Affymetrix for such use.

Patents

Products may be covered by one or more of the following patents: U.S. Patent Nos. 5,445,934; 5,744,305; 5,945,334; 6,140,044; 6,399,365; 6,420,169; 6,551,817; 6,733,977; 7,629,164; 7,790,389 and D430,024 and other U.S. or foreign patents. Products are manufactured and sold under license from OGT under 5,700,637 and 6,054,270.

Trademarks

Affymetrix®, Axiom™, myDesign™, Command Console®, DMET™, GeneAtlas™, GeneChip®, GeneChip-compatible™, GeneTitan®, Genotyping Console™, NetAffx®, and Powered by Affymetrix™ are trademarks or registered trademarks of Affymetrix Inc. All other trademarks are the property of their respective owners.

Copyright

©Affymetrix, Inc. All rights reserved.