

Cytochrome P450 2D6 Genotype for Tamoxifen Hormonal Therapy, Saliva **Test ID: 2D6TO**

EXPLANATION: May 27, 2014, Test ID 2D6TO – Cytochrome P450 2D6 Genotype for Tamoxifen Hormonal Therapy, Saliva will be obsolete due to a reporting name change.

RECOMMENDED ALTERNATIVE TEST: Cytochrome P450 2D6 Genotype, Saliva, 2D6O

METHODOLOGY: Polymerase Chain Reaction (PCR) with Allele-Specific Primer Extension (ASPE)/Bead Hybridization with Fluorescence Detection (PCR is utilized pursuant to a license agreement with Roche Molecular Systems, Inc.)

REFERENCE VALUES: An interpretive report will be provided

SPECIMEN REQUIREMENTS: Multiple saliva genotype tests can be performed on a single specimen after a single extraction. See Multiple Saliva Genotype Tests in Special Instructions for a list of tests that can be ordered together.

Container/Tube: Oragene DNA Self-Collection Kit (Supply T651)

Specimen Volume: Full tube

Collection Instructions:

1. Fill tube to line.
2. Send in original container per kit instructions.

NOTE: New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Saliva	Ambient	

USEFUL FOR: This assay will provide information relevant to tamoxifen, psychotropic medications (such as fluoxetine, nortriptyline, paroxetine, and pimozone), codeine, and tramadol, as well as other medications metabolized by CYP2D6. Identifying novel mutations that may interfere with drug metabolism

CPT CODE: 81226-CYP2D6 (cytochrome P450, family 2, subfamily D, polypeptide 6) (eg, drug metabolism), gene analysis, common variants (eg, *2, *3, *4, *5, *6, *9, *10, *17, *19, *29, *35, *41, *1XN, *2XN, *4XN)

DAY(S) SET UP: Monday, Thursday; 8 a.m. **ANALYTIC TIME:** 2 days