



Human CYP2C19 Gene Detection Kit

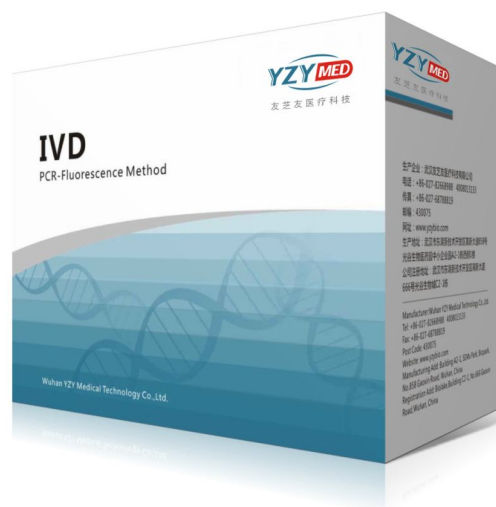
Medication guidance for Clopidogrel / proton pump inhibitors (PPIs)/ Cerebral Stroke prevention

Background:

The CYP2C19 gene is involved in the metabolism of many important drugs for clinical applications, such as clopidogrel, omeprazole and phenobarbital. The genetic polymorphism of this gene leads to differences in the metabolic capacity of the relevant drugs in different populations, which may cause adverse reactions or poor efficacy of patients.

Product Description:

This kit can be used for genetic testing of genotypes CYP2C19*2, CYP2C19*3 and CYP2C19*17. According to the test results, the dosage of drugs can be adjusted reasonably so that the clinical application of relevant drugs can be truly individualized to improve clinical efficacy and reduce adverse reactions.



Easy Operation

- Unique fluorescence PCR technology
- Each sample occupies only one reaction well
- 90 mins to complete

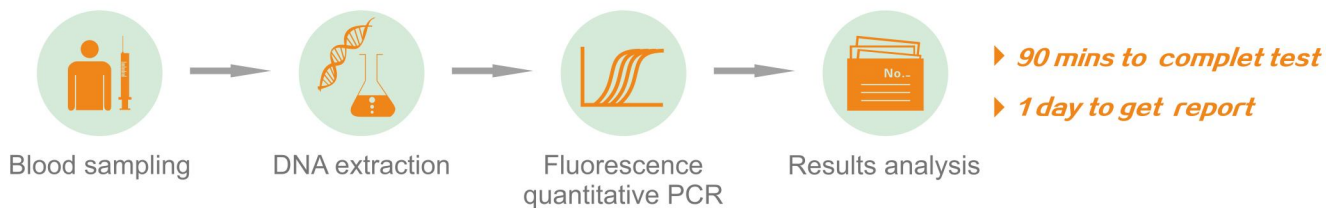
Simple Results Analysis

- Simplified analysis without ΔCT value reading
- Simple training

Comprehensive Detection

- Detect *17 site beside *2 and *3 sites
- Cover all metabolic types including ultra-fast metabolic types.

Technology Platform — Real-time Fluorescence Quantitative PCR System



CLINICAL SIGNIFICANCE (CLOPIDOGREL)

Gene Polymorphism	Basic Group Change	Mutation Frequency	Clinical Medication Guidance
CYP2C19*2	CCG>CCA	30%-35%	Mutations require increased clopidogrel dosing
CYP2C19*3	TGG>TGA	5%-10%	Mutations require increased clopidogrel dosing
CYP2C19*17	CAT>TAT	1%-2%	Mutations require reduced clopidogrel dosing

APPLICABLE DEPARTMENTS

Relevant Department	Related Drugs	Corresponding Patients	Guiding Significance
Cardiovascular-ology	Clopidogrel	Patients with myocardial infarction or other peripheral arterial disease, prognostic treatment patients after PCI surgery.	Medication efficacy guidance on the treatment and prevention of arterial thrombosis
Neurology	Clopidogrel, phenobarbital, etc.	High-risk patients with apoplexy; epileptics	Rational drug selection on cerebral stroke prevention; medication guidance for patients with epilepsy
Gastroenterology	PPIs (proton pump inhibitors)	Patients with gastrointestinal bleeding	Medication Safety and efficacy guidance for PPIs user with gastrointestinal bleeding
Psychiatry	Clopidogrel, promethazine, etc.	Patients with depression	Medication safety and efficacy guidance on patients with depression
Oncology	Cyclophosphamide	Tumors patients	Medication safety and efficacy guidance for oncology patients using cyclophosphamide
Infection Department	Rifampin, voriconazole, etc.	Patients with tuberculosis and meningitis, etc.	Medication safety and efficacy guidance for related antimicrobials

ORDER INFORMATION

Product Name	Article No	Specification	Applicable model
Human CYP2C9 Gene Detection Kit (PCR fluorescence probe method)	YZYMT-006	20 tests/kit	ABI 7500/viia7/QS, Roche 480 Series, StrataGene Mx3005P/3000P, BioRad CFX96, Bioer 9600 Plus, SLAN series of Shanghai Hongshi



THE RIGHT DRUG FOR THE RIGHT PATIENT



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