



Human ALDH2 Gene Detection Kit

Detection of Alcohol Metabolism Ability & Nitroglycerin Efficacy

Background:

Nearly 40% of Chinese has the problem of "getting drunk on every drink", the strength of alcohol metabolism is directly related to the activity of ALDH2 enzyme in the human body. People carrying ALDH2 * 2 genotype have weaker alcohol metabolism, namely "inability to drink". These people not only need to control their intensity of daily drinking, but also need to pay attention to their risk of developing esophageal cancer.

Nitroglycerin, commonly called the "Heart saving pill", is a classic medicine for angina pectoris, but its clinical effectiveness varies from person to person. The ineffective rate of nitroglycerin used by patients with ALDH2 * 2 gene mutation was as high as 42.4%, 3 times as those patients with ALDH2 wild-type.

Product Description:

This kit uses real-time fluorescent quantitative PCR method to detect ALDH2 * 2 gene polymorphism. It can be used to screen people with weak alcohol metabolism, or guide nitroglycerin medication.



Easy Operation

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

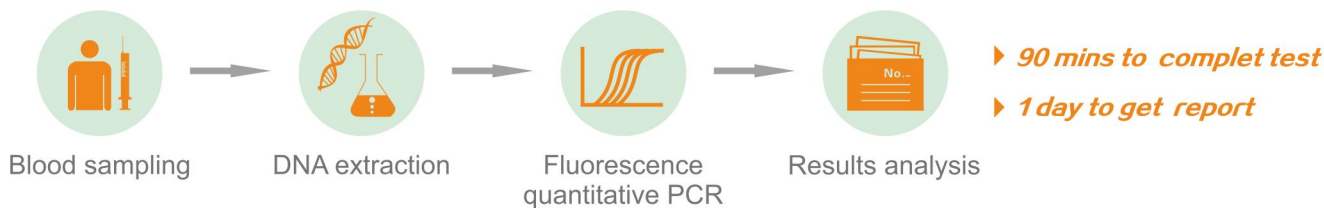
Simple Results Analysis

- Simplified analysis without ΔCT value reading
- Simple training

Wide Sampling Types

- Blood/saliva/oral swab type

Technology Platform — Real-time Fluorescence Quantitative PCR System



CLINICAL PERSONALIZED MEDICATION GUIDANCE

ALDH2 Genotype	ALDH2 Enzymatic Activity	Clinical Significance
ALDH2*2/2	Weak	Slow metabolism of alcohol, high sensitivity to alcohol, easy to blush, dizziness and vomiting after drinking
		Increased risk of myocardial infarction, poor nitroglycerin response
		Increased risk of osteoporosis
		Greatly increased risk of cancer after long-term drinking, especially the esophageal cancer
ALDH2*1/2	Relatively weak	Increased risk of myocardial infarction, poor nitroglycerin response Greatly increased risk of cancer after long-term drinking, especially the esophageal cancer
ALDH2*1/1	Normal	Rapid alcohol metabolism, low sensitivity to alcohol and weak reaction after drinking
		Increased risk of colorectal cancer
		Reduced risk of myocardial infarction, normal drug effect of nitroglycerin

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APPLICABLE DEPARTMENTS

Target group: long-term alcohol drinkers, patients who need to take nitroglycerin tablets. It can be used for public health examination

Suitable Departments: medical examination department, geriatric department, cardiology department and other departments prescribing nitroglycerin tablets

ORDER INFORMATION

Product Name	Article No	Specification	Applicable Model
Human ALDH2 Gene Detection Kit (PCR fluorescence probe method)	YZYMT-012	20 tests/kit	ABI 7500/via7/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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