



Human Leukocyte Antigen B*5801 Gene Detection Kit

Guidelines for the use of allopurinol

Background:

As the first-line drug for the treatment of gout, Allopurinol is a xanthine oxidase inhibitor used primarily for the treatment of gout and the prevention of gouty nephropathy, secondary hyperuricemia, also as the adjunctive treatment of severe epilepsy. However, this drug may cause severe skin adverse reactions (SCARs), such as allergy syndrome (HSS), Stevens-Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN). Numerous studies have shown a strong correlation between the HLA-B*5801 genotype and adverse cutaneous reactions to allopurinol. Meanwhile, those positive family members should be aware of this testing due to the hereditary of this genotype. 2020 American College of Rheumatology (ACR) Guideline for the Management of Gout recommends that HLA-B*5801 allele testing should be performed for people with a high risk of severe allergic reactions.

Product Description:

This kit can rapidly detect the HLA-B*5801 gene to help clinicians to screen for allopurinol adverse drug reactions.



Easy Operation

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

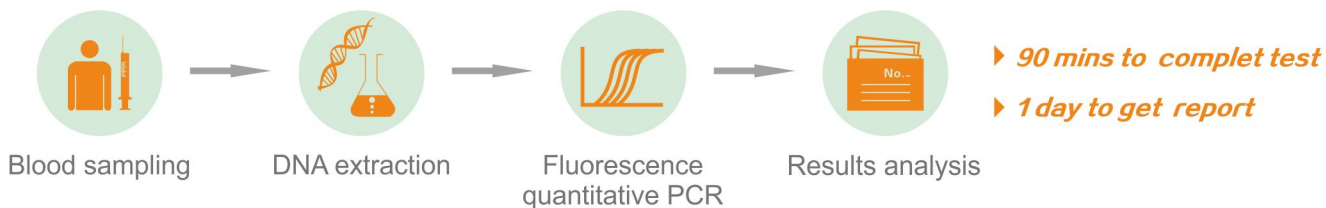
Simple Results Analysis

- Simplified analysis without ΔCT value reading
- Simple training

Reliable Quality

- With thorough clinical validation, 100% compliance with Sanger sequencing

Technology Platform — Real-time Fluorescence Quantitative PCR System



CLINICAL SIGNIFICANCE

Gene Polymorphism	Carrying Frequency	Clinical Medication Guidance
HLA-B*5801	10% ~ 20%	Individuals with HLA-B*5801 allele gene should be cautious in using allopurinol

FDA labeling recommendations for Allopurinol: perform HLA-B * 5801 testing in people with genetic risk, and declare that allopurinol is not recommended for use in HLA-B*5801-positive patients.

1.

CPIC selects HLA-B*5801 as 1A level pharmacogenomic marker to predict allopurinol skin toxicity.

2.

HLA-B*5801 genotype testing should be performed in some Asian (e.g. Han, Korean, Thai) and African American populations before using allopurinol.

3.

2020 American College of Rheumatology (ACR) Guideline for the Management of Gout

APPLICABLE POPULATION

1. People who use allopurinol drugs
2. Application department : rheumatology, endocrinology, other departments using allopurinols

ORDER INFORMATION

Product Name	Article No	Specification	Applicable Model
Human Leukocyte antigenB* 5801 Gene Detection Kit (PCR-Fluorescence Probe Method)	YZYMT-016	20 tests/kit	ABI 7500/via7/QS, Roche 480 Series, StrataGene Mx3005P/3000P, BioRad CFX96, R.R.China 430075 Bioer 9600 Plus, SLAN series of Shanghai Hongshi



THE RIGHT DRUG FOR THE RIGHT PATIENT



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