

HERIDATARY

CELIAC DQ2, DQ8, DR4

Celiac (DQ2, DQ8 and DR4) Detection

Technical Specifications

Intended Use

-Detection of HLA-DQ2, HLA-DQ8 heterodimers and HLA-DR4 allele from human genomic DNA.

Suitable Sample Type

-Whole Blood in tube with EDTA

Test Procedure

-DNA Isolation
-Multiplex RT-Qpcr

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR
- QuantStudio™ 5 Real-Time PCR System

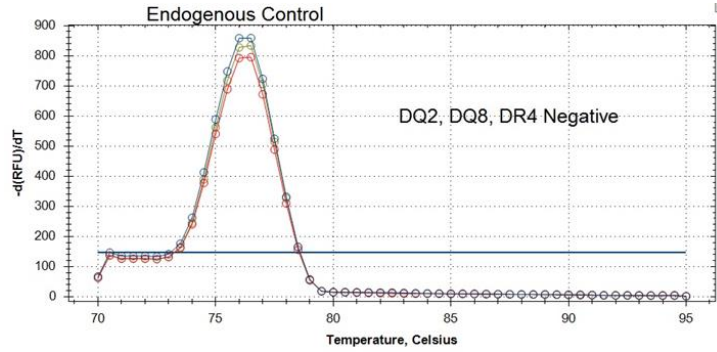
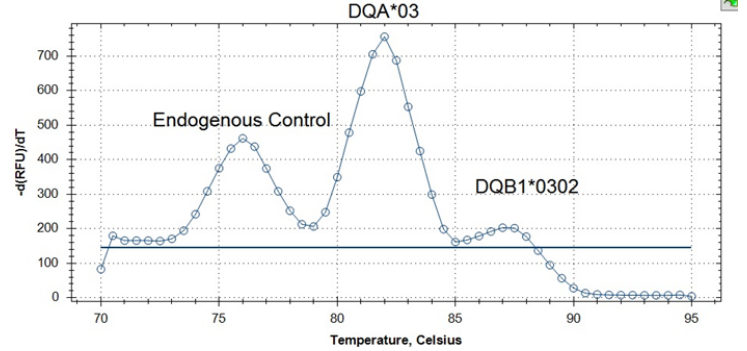
Catalog Number

-Cel-RT25

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Positive Result Analysis



Negative Result Analysis

- ✓ This kit uses Real-time PCR based method.
- ✓ It can detect DQB1*02, DQA1*05, DQA1*03, DQB1*0302 and DRB1*04 alleles in DQ2, DQ8 and DR4 haplotypes.
- ✓ Each primer specific to DQ2, DQ8 and DR4 is present in different tubes.
- ✓ Amplification Slope can be drawn for the analysis.

GeneMAP™ Celiac (DQ2, DQ8 and DR4) Detection Kit is designed specifically for allele detection with routine RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

| Reagents | Vol. per Tube (µl) |
|-----------------------------|--------------------|
| 2X Master Mix with EvaGreen | 1100 µl |
| 5X DQ2 Primer Mix | 110 µl |
| 5X DQ8 Primer Mix | 110 µl |
| 5X DR4 Primer Mix | 110 µl |
| ddH2O | 500 µl |
| Positive Control | 50 µl |