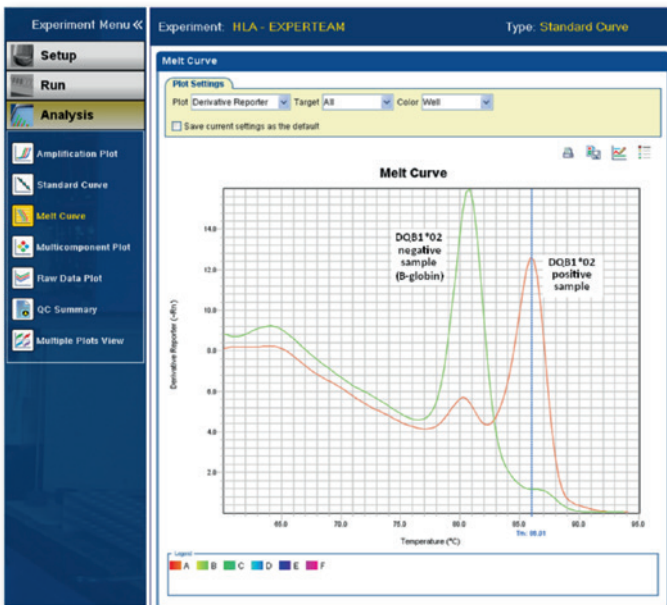


Celiac disease

Celiac disease is a common multi-factorial enteropathy characterized by small intestine malabsorption and mucosal lesions resulting from ingestion of gluten. Celiac disease presents a strong association with major histocompatibility complex (MHC), in particular with HLA-DQ2 and HLA-DQ8 heterodimer. Over 90% of celiac patients carry the HLA-DQ2 heterodimer which is encoded by DQA1*05 and DQB1*02 alleles either in cis or in trans. Most DQ2 negative patients carries the heterodimer DQ 8 encoded by DBQA1*0301 and DB1*0302 alleles. Only a few number of celiac patients presents neither DQ2 heterodimer nor DQ8 heterodimer; many of them present only the β -chain of the DQ2 heterodimer.



Example of melting curve analysis: the green melt curve is relative to a DNA sample carrying the DQB1*02 allele (T_m=86.01), the red one is relative to a sample negative for DQB1*02 allele (T_m 80.69 = B-globin)

Code	Name of kit	Technical specs	Amount of tests	Info	Additional info
CE.02RQ	Celiac disease risk kit 2 -RQ	Real Time PCR Kit	50	CE/IVD	DQ2, DQ8, DR alleles
CE.03RQ	Celiac disease risk kit 3 -RQ	Real Time PCR Kit	25	CE/IVD	DQB1*02 allele homozygosity
K.CRT-RQ	Celiac RT	Real Time PCR Kit	50	CE/IVD	DQ2 & DQ8 alleles

Lactose intolerance

Family studies have shown that adult lactase deficiency is an autosomal recessive trait. Two single nucleotide polymorphisms (SNPs), C-13910T and G-22018A, located upstream of the lactase gene (LCT), were recently identified. Experteam offers complete systems for allelic discrimination (genotyping) of LCT C-13910T and G-22018A.

Code	Name of kit	Technical specs	Amount of tests	Info	Additional info
LC.01RQ	LCT Mut. (C-13910) Kit 1-RQ	Real Time PCR Kit	40	CE/IVD	Allelic discrimination
LC.02RQ	LCT Mut. (G-22018A) Kit 2-RQ	Real Time PCR Kit	40	CE/IVD	Allelic discrimination

