# SBT RESOLVER™ DQB1

Technical Note SBT Resolver™ DQB1 Update

Product codes: AN-PD6.2-3(20); AN-PD6.2-3(50)

UPDATE DESCRIPTION

As part of our commitment to the improvement of our SBT Resolver™ product line, we are pleased to announce the release of SBT Resolver™ DQB1 AN-PD6.2-3 (623). This updated kit now includes full coverage of both exon 2 and exon 3 with bi-directional sequencing.
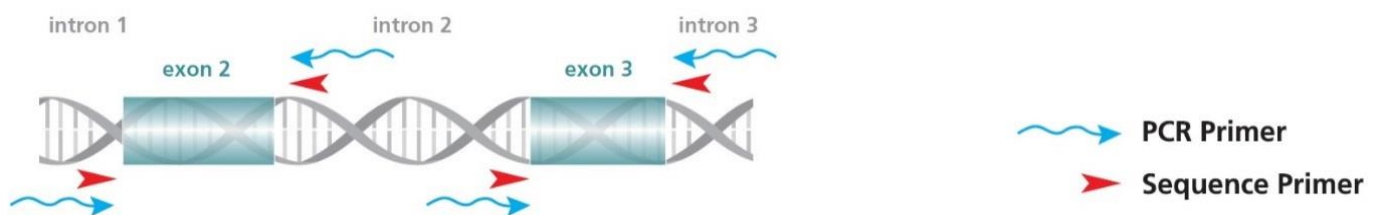
Due to the updates and required transition from DQB1 kit 622 to kit 623, there are some changes for the end user that are highlighted in this document.

APPLICATIONS

The 623 kit includes sequencing primers for bi-directional sequencing of exons 2 and 3. Exon 3 can be sequenced at the point of initial SBT or at the time of ambiguity resolution following primary typing.

IMPACT OF UPDATE

There are no changes to the PCR or sequencing protocols.

Modifications to the amplicons from 622 to 623 have resulted in a difference in the size of the fragments. As a result the gel electrophoresis pattern is the same, but each amplicon is bigger.
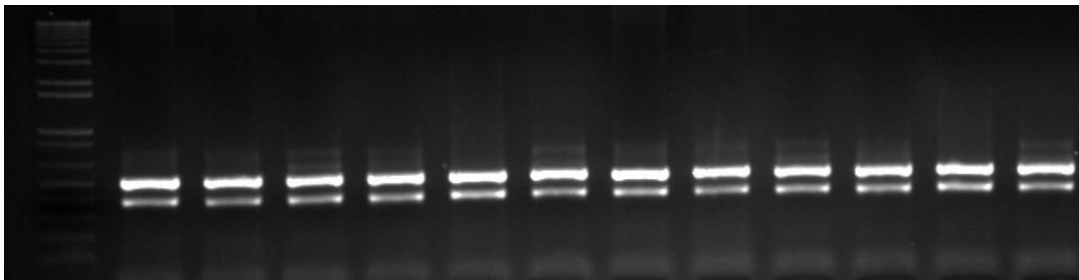
AN-PD6.2-3 Gel Image

623 is designed to enable complete resolution of allele ambiguities characterised by polymorphisms in exon 2 and exon 3, including all future alleles. The 623 kit allows resolution of a number of rare alleles which have polymorphisms in the primer sites of the 622 kit.

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ANALYSIS IN ASSIGN™

The 623 assay requires a unique reference. DQB1 references for 623 will be named 623_DQB1. DNA sequence files produced using the 623 assay will need to have a unique alias that points to the 623_DQB1 reference.

Example:

EPG file name: 20140910_3DQB1.2F_A01.ab1

In the example shown, a unique alias (3DQB1) is required within the sequence filename to ensure that DQB1 623 sequence data is analysed against the 623_DQB1 reference.

NOTE: 623_DQB1 is used as the default alias. A user defined alias, such as the one illustrated in the example above, may be applied. However, it is recommended that any changes to an existing alias happen at the beginning of the alias name and not the end i.e. 3DQB is preferred to DQB3.

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If you have any questions in regard to our new product, please contact your local Olerup representative or contact Conexio Genomics at **support@conexio-genomics.com**

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