

Accurate diagnostics ...



... for carefree consumption
of dairy products!



Your molecular genetic test systems for analysis of genetically determined lactose intolerance:

GenoType LCT
FluoroType® LCT

Your benefits of using lactose intolerance diagnostics from Hain Lifescience

- **Definite result:** Both test systems only detect genetically determined lactose intolerance.
- **Rapid assurance:** In contrast to complex functioning assays, the patient does not have to spend several hours under medical observation. Only a blood sample is needed for the determination.
- **Efficient diagnostics:** The possibility to combine the test systems with other products from Hain Lifescience enables simultaneous processing of different human genetic parameters and thus, efficient diagnostics.
- **Optimal service:** Intensive training and excellent service are our standard. Besides extensive product and device instructions, we also offer maintenance of our devices at attractive conditions.
- **User-friendly:** The easy to perform techniques allows for an optimal integration in your daily lab routine.
- **CE-IVD certified:** No need for elaborate validation studies.

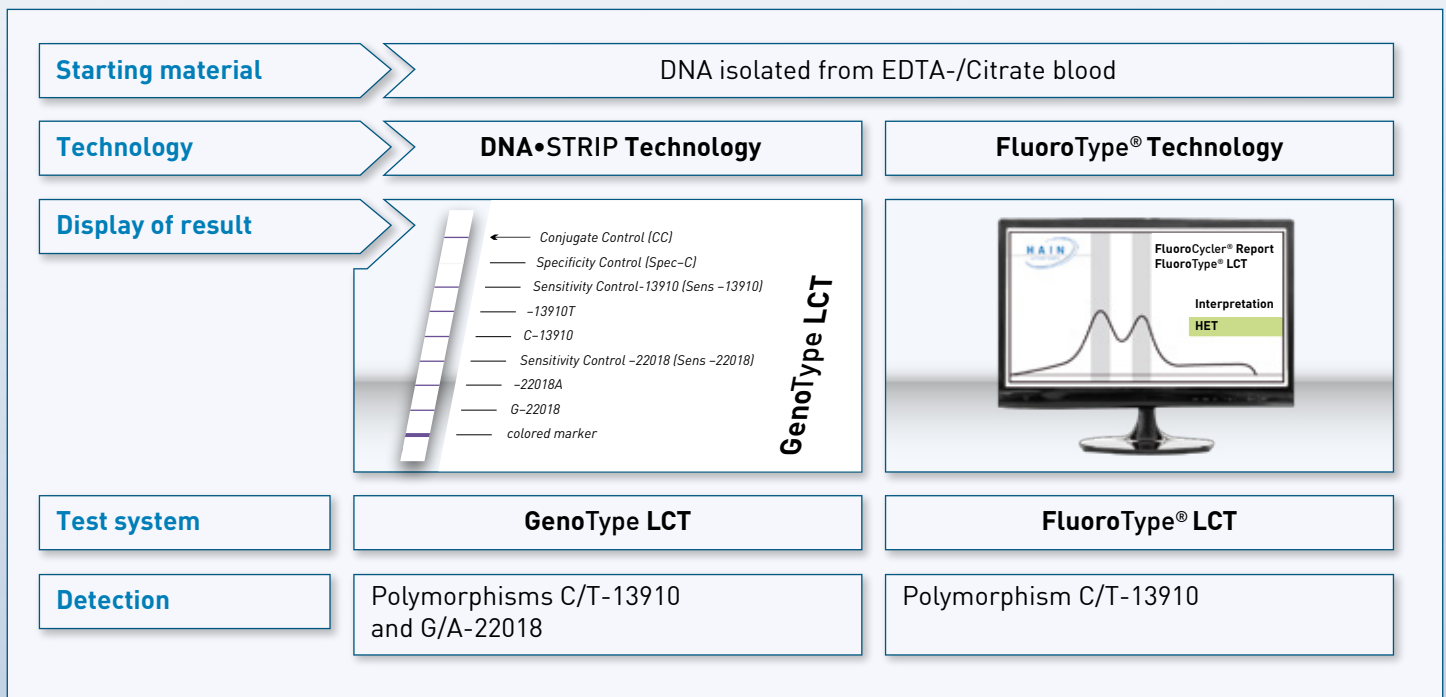
Facts

It is estimated that 75% of adults worldwide suffer from primary lactose intolerance during adulthood. The frequency of decreased lactase activity ranges from 5% in Northern Europe, up to 71% in Southern Europe, to more than 90% in some African and Asian countries. In contrast to the secondary lactose intolerance, the primary form is determined genetically, therefore therapy is not available.

The activity of the enzyme lactase, which splits lactose from food in the small intestine, diminishes as the affected people grow older. The consequences are non-specific complaints of the digestive tract like abdominal pain and diarrhoea. These symptoms mostly start in early adolescence.

It is known that primary lactose intolerance correlates with two genetic polymorphisms [C/T-13910 and G/A-22018] in the regulatory region of the lactase gene (LCT). Studies show that the genotype C/C at position -13910 and the genotype G/G at position -22018 are associated with the risk of lactose intolerance. Both polymorphisms occur almost always in linkage disequilibrium.

The choice is yours – Two different test systems for the analysis of primary lactose intolerance!



For further information please contact Hain Lifescience or your local distributor!

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