

Move from glass to plastic capillaries

- ◆ Non breaking capillaries ◆
 - ◆ No precipitates ◆
- ◆ Optimal reaction conditions ◆
 - ◆ Higher reaction volume ◆
- ◆ Post-PCR sample recovery possible ◆

Non breaking plastic capillaries

The production has developed a proprietary solution to frequently breaking Real-Time PCR glass capillaries. When using these optical plastic capillaries you avoid the risk of breaking, contamination and injury, especially when working with infectious agents.

No precipitates

Plastic capillaries do not require the use of BSA in the reaction mix. In this way precipitates, that can disturb the optical detection, are avoided.

More optimal reaction

The reaction characteristics are more optimal as PCR components like TAQ polymerase, MgCl₂, primers, probes and target DNA do not adhere to the optical plastic in the way they adhere to glass. The result is more active components in solution and therefore a more efficient PCR, using less target DNA.

Higher reaction volume

Because of the special design of the tubes, they can hold up to 50 ul reaction mix, which allows you to add more sample DNA, and therefore allows you to increase the sensitivity. This is especially very useful when detecting low copy numbers of DNA.

Post reaction sample recovery

The special design of the innovative qPCR-capillaries allows you also to recover sample after Real-Time PCR with a 10 µl pipette.

Innovative packaging for optimal handling

qPCR-capillaries are packed in rackboxes or in bags. The rackbox contains 2 stackracks, one rack with 96 qPCR-capillaries and one rack with 96 caps for qPCR-capillaries. For comfortable handling each sales unit (carton) contains a transfer-pin for comfortable and safety closing of the capillaries with the capillary caps. Also the transfer-pin can be used for taking the capillaries out of the racks. However the qPCR-capillaries and the capillary-caps are also available in cost-saving bags.

DNase, RNase and Pyrogen free

The qPCR-capillaries and capillary-caps are certified DNase, RNase and Pyrogen free.

Universal rotor-adapter for best alignment

The production has developed a special universal adapter-rotor. This special rotor holds the capillaries tightly in place. In this way the capillaries are always correctly aligned with the optical detection kit and can also not fall out of the rotor when handling them correctly.