

Novallele™ Control Set

This information is general to the Novallele Control Sets. Find your specific genetic variant target on the label of the supplied tubes.



6 months after receipt

For Research Use Only. Not for use in diagnostic procedures.

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Introduction

The Novallele Control Set includes a wild-type (WT) control and a homozygous (HOM) mutant control for the Novallele genotyping assay of interest. An optional heterozygous (HET) control is prepared by combining the WT and HOM controls.

Each tube contains 120 μ L of double-stranded DNA control material in TE buffer.

To genotype samples, the sample melt curves are compared to the Novallele Control Set melt curves.

Warnings and Precautions

Follow your local and national safety laws and regulations. When working in a laboratory, use personal protective equipment including lab coat, disposable gloves, and protective eyewear.

Reagent Storage and Handling

Store the Novallele Control Set at -20°C . When stored correctly, the Novallele Control Set is stable for six months from the date of receipt.

Do not freeze/thaw the product more than five times.

Procedure

Once prepared, treat the prepared controls as a sample in the Novallele genotyping assay of interest. Do not substitute reagents.

For instructions on performing a Novallele genotyping assay, refer to the Novallele Genotyping Assay User Guide. PCR cycling conditions are contained in the product specification sheet of the corresponding Novallele genotyping assay.

Recommendation: Run three replicates of each control. The instructions produce enough material for three replicates.

Preparation of WT and HOM controls

1. Pipette 11 μ L of Novallele Genotyping Mastermix into a nuclease-free microcentrifuge tube.
2. Pipette 11 μ L of the corresponding Novallele genotyping assay into the tube.
3. Vortex the applicable control for 10–15 seconds. Centrifuge briefly.
4. Pipette 11 μ L of the applicable control into the tube.
5. Vortex the prepared control for 10–15 seconds. Centrifuge briefly.

6. Treat the prepared control as a sample in the Novallele genotyping assay.

Optional preparation of HET control

Important: Use the prepared HET control immediately; do not reuse.

1. Pipette 12 μ L of Novallele Genotyping Mastermix into a nuclease-free microcentrifuge tube.
2. Pipette 12 μ L of the corresponding Novallele genotyping assay into the tube.

3. Vortex the WT and HOM controls for 10–15 seconds each. Centrifuge each briefly.
4. Pipette 6 μ L of the WT control into the tube.
5. Pipette 6 μ L of the HOM control into the tube.
6. Vortex the prepared HET control for 10–15 seconds. Centrifuge briefly.
7. Treat the prepared HET control as a sample in the Novallele genotyping assay.

Contact Information

For technical assistance or more information, please visit our website at www.canon-biomedical.com, email us at contactus@canon-biomedical.com, or call us at 1-844-CANONBIO (1-844-226-6624).

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