

MRC Holland Technical Support

Support > Help Centre > Melt Assays > Is a specific thermocycler required for the MC002 SMA Newborn Screen?

Is a specific thermocycler required for the MC002 SMA Newborn Screen?

This article was retrieved from support.mrcholland.com on Monday, 1st March 2021.

We have validated three thermocyclers with melt curve capabilities for use with the SALSA MC002 SMA Newborn Screen. Other thermocyclers may be suitable provided that they meet a number of criteria (see below).

The thermocyclers validated by us are:

- Bio-Rad CFX96 Touch, with Bio-Rad HSP9655 white/white plates and Bio-Rad MSB1001 MicroSeal Plate Sealing film.
- Roche LightCycler 480, with BIOplastics B17489 plates and BIOplastics 157300 Opti-Seal adhesive seals.
- Thermo Fisher QuantStudio 5, with Thermo Fisher N8010560 MicroAmp Optical 96 well plates and Thermo Fisher 4360954 MicroAmp Optical Adhesive Film.

Instructions on how to set up these thermocyclers can be found in the [instructions for use](#).

Other thermocyclers should at least meet the following requirements:

- Presence of melt curve capabilities with temperature ranges as specified in the thermocycler program in the instructions for use.
- Ability to detect fluorescence from the Cy5 fluorophore.
- Presence of a heated lid (99–105°C).

Use of a thermocycler not validated at MRC Holland requires in-house validation.

Tags

Melt Assay

Disclaimer

The information provided in this material is correct for the majority of our products.

However, for certain applications, the instructions for use may differ. In the event of conflicting information, the relevant instructions for use take precedence.