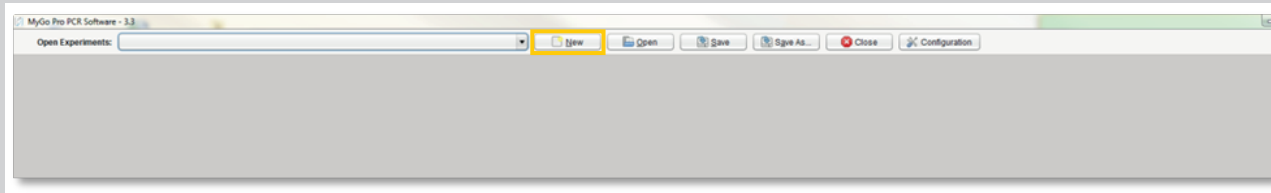# Programming set-up for MyGo Pro
for CONGEN SureFood®/SureFast® kits (2-3 plex kits)*

*Please note: 4plex SureFood®/SureFast® kits may not be used on this thermocycler
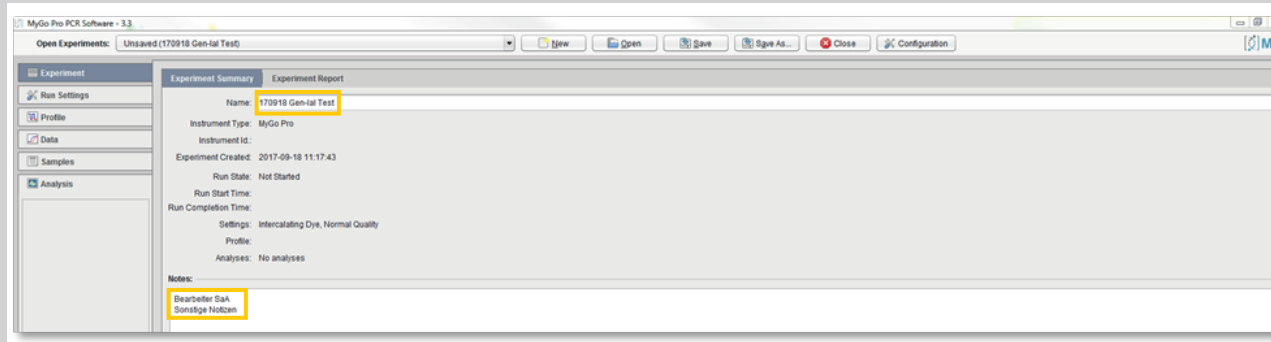
Step 1:

Open the MyGo Pro Software, click on „**New**" to set-up the required detection format template.
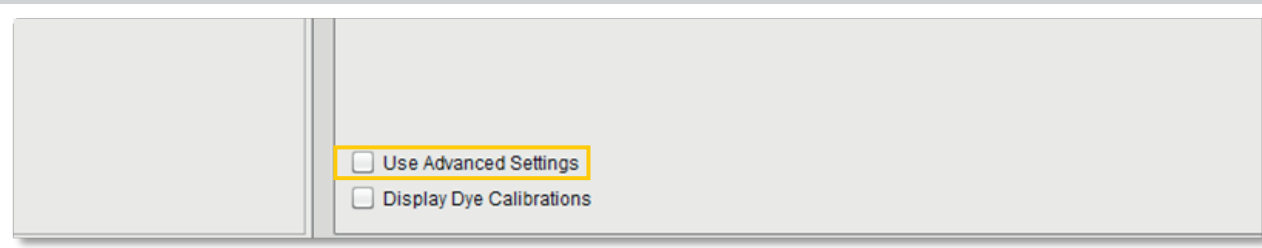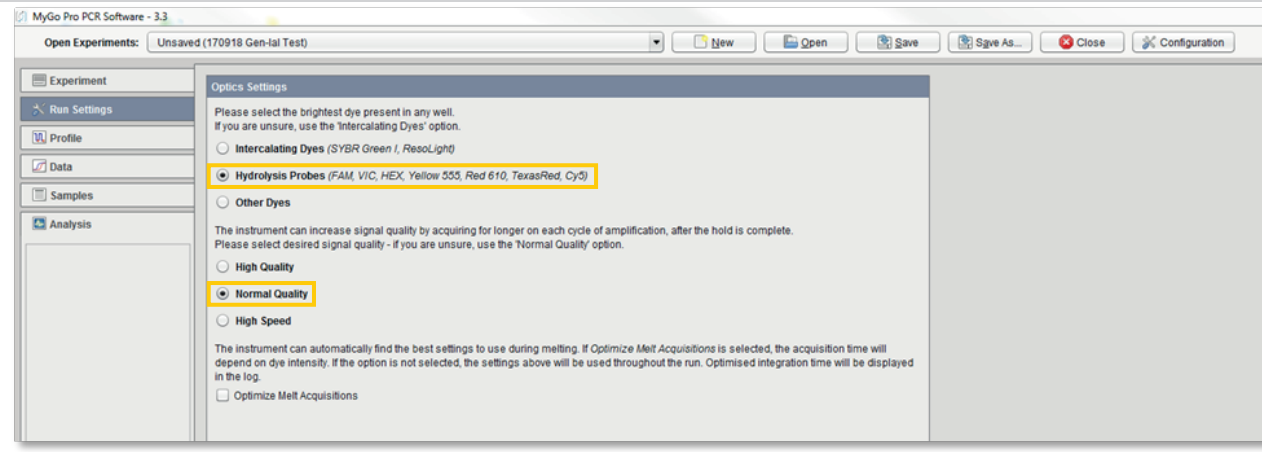

Enter the name of the data file in „**Notes**" Optional enter the username and the Lot No. of the particular kit in the „**Notes**" window.
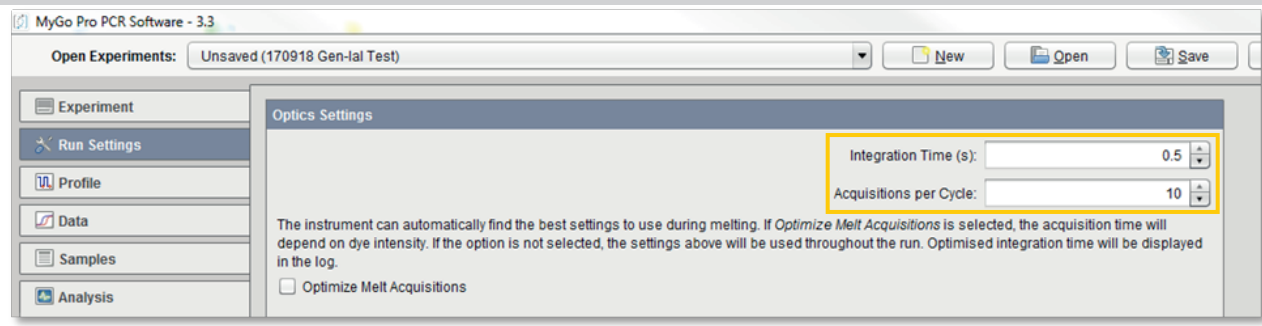
Step 2:

Navigate to „**Run Settings**" and choose „**Hydrolysis Probes**" and „**Normal Quality**".

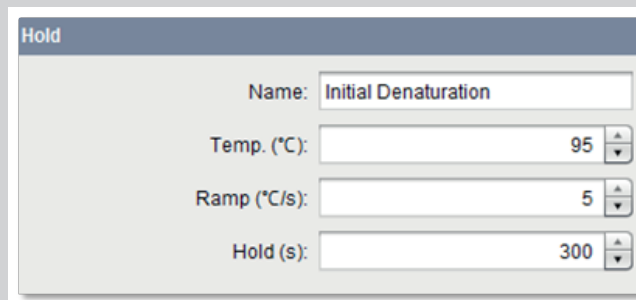Choose „**Use Advanced Settings**" and set „**Integration Time**" to 0.5 und „**Acquisitions per Cycle**" to 10.
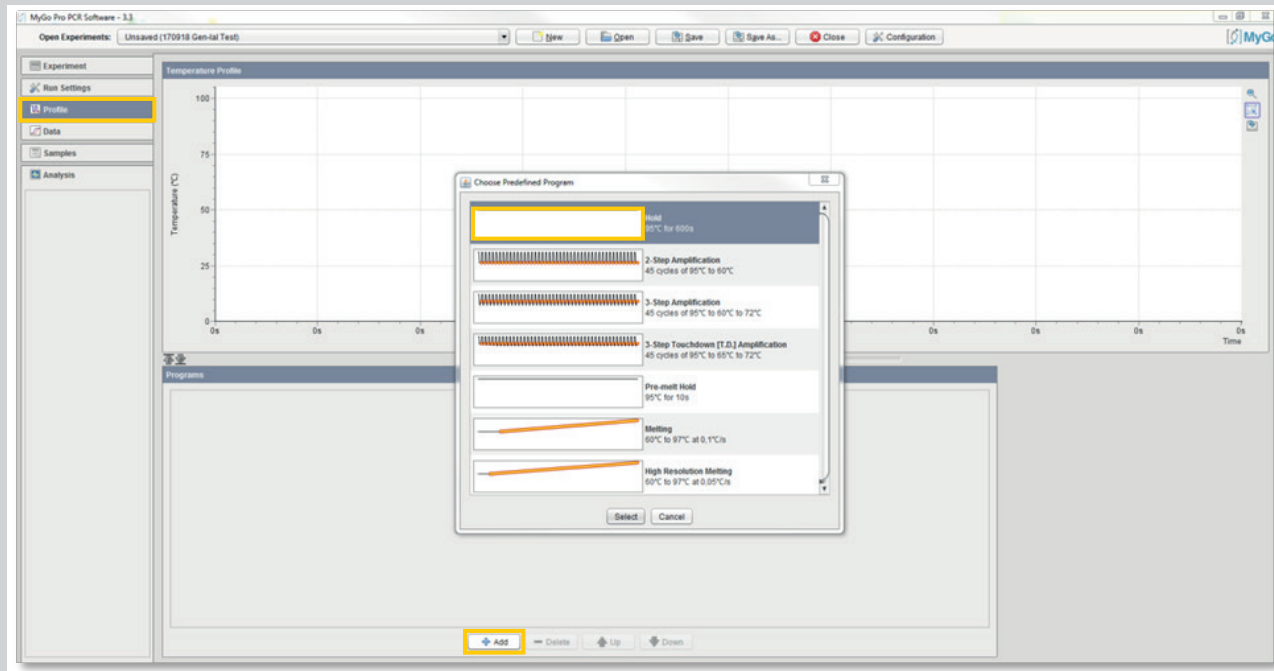
Step 3:

Navigate to „**Profile**".

Enter the run protocol according to the SureFast®/SureFood® assay.

Start with „**Add**" and choose the „**Hold**" button for the first step of PCR Cycling „**Initial Denaturation**"

Following the run protocol thus adding new cycling steps through „**Add**".

	Blockcycler / LightCycler® 480*
Initial Denaturation (HOLD)	5 min, 95°C
Cycles	45
Denaturation	15 sec, 95°C
Annealing/Extension (CYCLE)	30 sec, 60°C
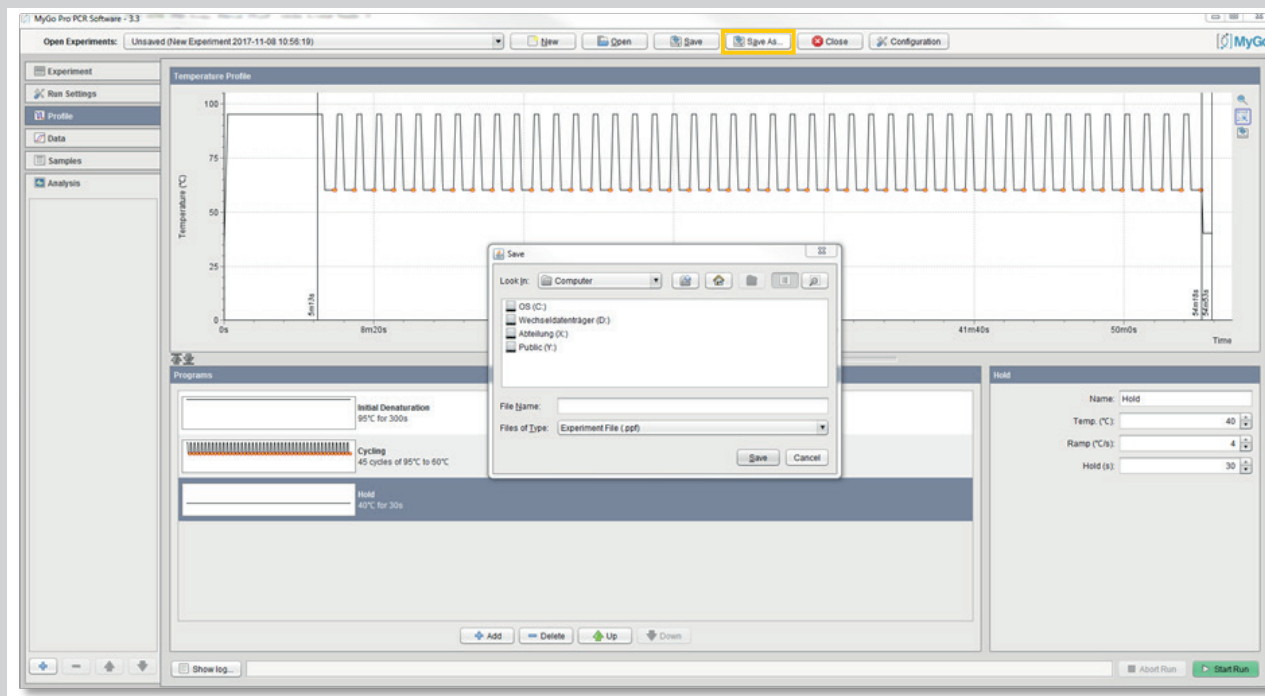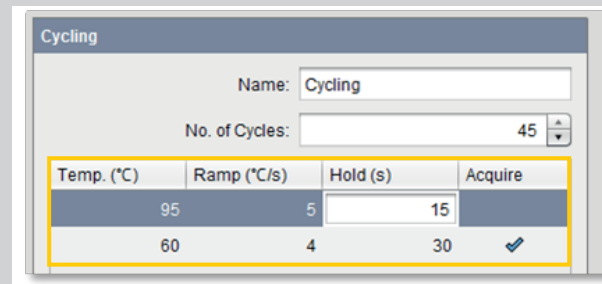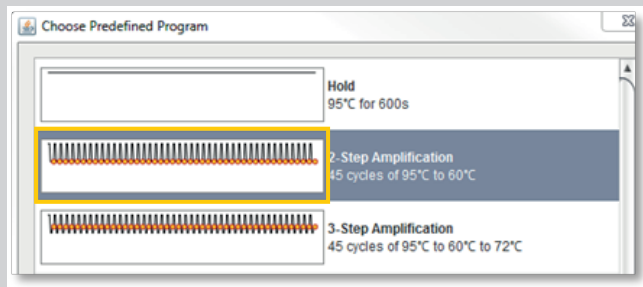
Step 4:

Click „**Add**" and choose „**2-Step Amplification**" for defining the „**cycling**" according to the setup of the real-time PCR manual.
The measurement of the fluorescence signal should always take place at the end of the annealing/ extension step.

For example: SureFood® Animal ID horse & donkey 3plex S6119 select for the No. of cycles 35; set the denaturation time to 15 sec and the temperature to 60 °C.

Optional add a „**Hold**" step for 30 sec at 40 °C to cool the tubes at the end of the setup.

Finally save the setup on your computer.

Step 5:

Navigate to „**Samples**" and select „+" on the left side of the window for every sample including controls (e.g. PTC; NTC; EC). Name your sample subset.

Choose „**Samples as Plate**" and mark the samples together with the particular position in the cycler and source the plate with „**Set**".

Every sample should be highlighted in the plate section as a colored circle.
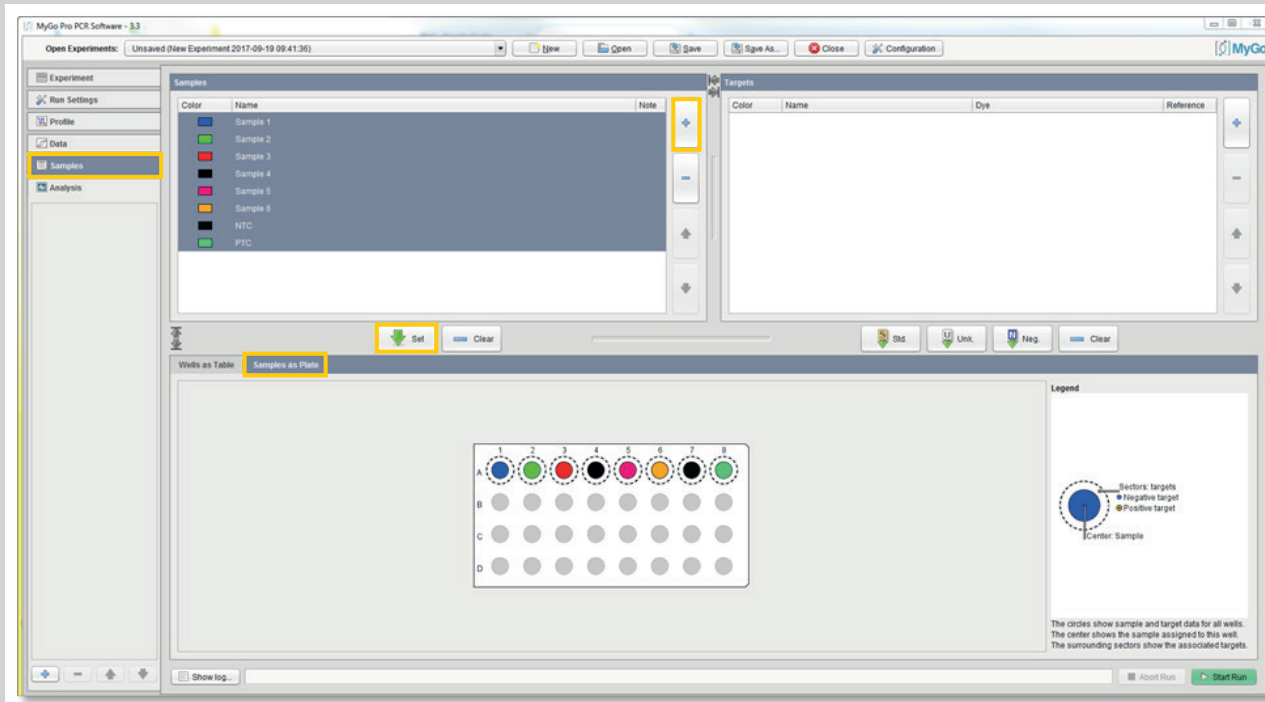
Step 6:

Navigate to the right window and choose „+" to enter the unique detection format. For 3plex assays as SureFood®Animal ID S6119 select the four Dyes: FAM, HEX, ROX in the drop-down menu.
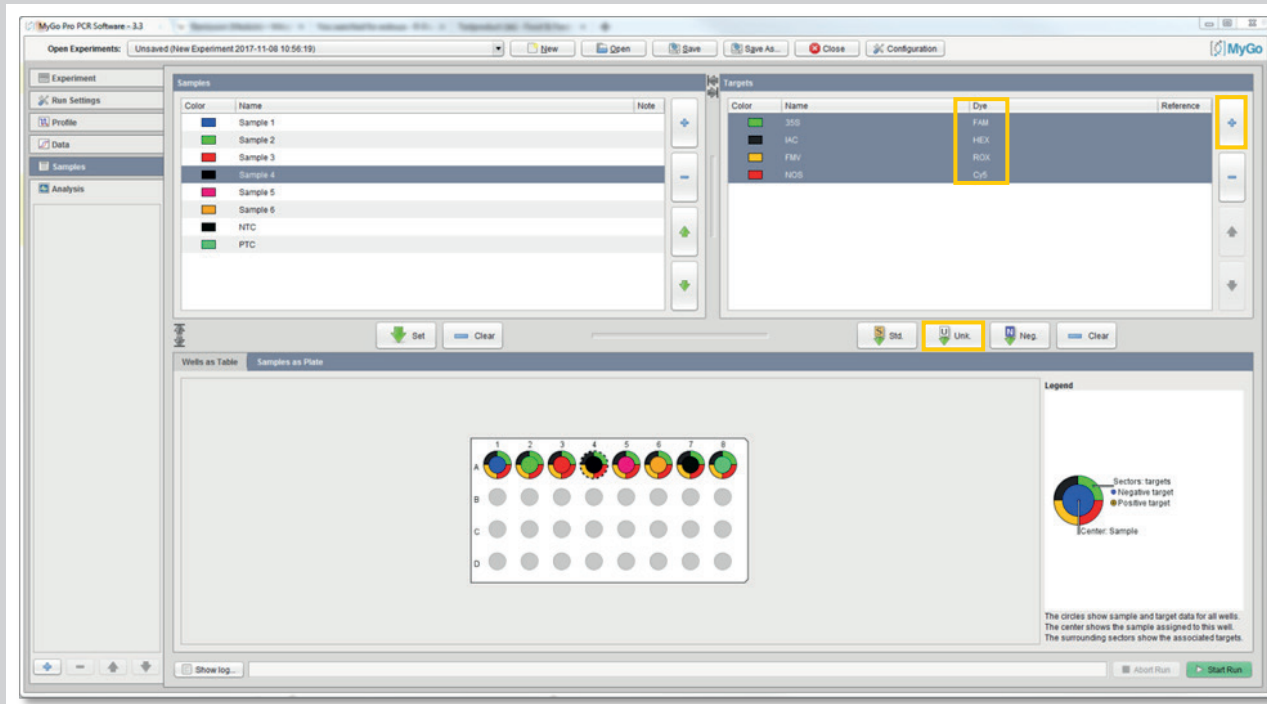
Name the detection channels according to the targets of the SureFood®/SureFast® assay.

Optional define the Color of the dyes green for FAM, black for IAC, orange for ROX.

Mark all targets and choose „**Unk**".

Every colored circle should be sorrounded by a four-color border.

Save the experiment and start the run.

R-Biopharm Contacts:

Information:

Phone: +49 (0) 61 51 - 81 02-0

Fax: +49 (0) 61 51 - 81 02-40

E-mail: *info@r-biopharm.de*

www.r-biopharm.com

Orders:

Phone: +49 (0) 61 51 - 81 02-0

Fax: +49 (0) 61 51 - 81 02-20

E-mail: *orders@r-biopharm.de*

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