ROTOR - SOFTWARE PARAMETERS – WET STIRRING
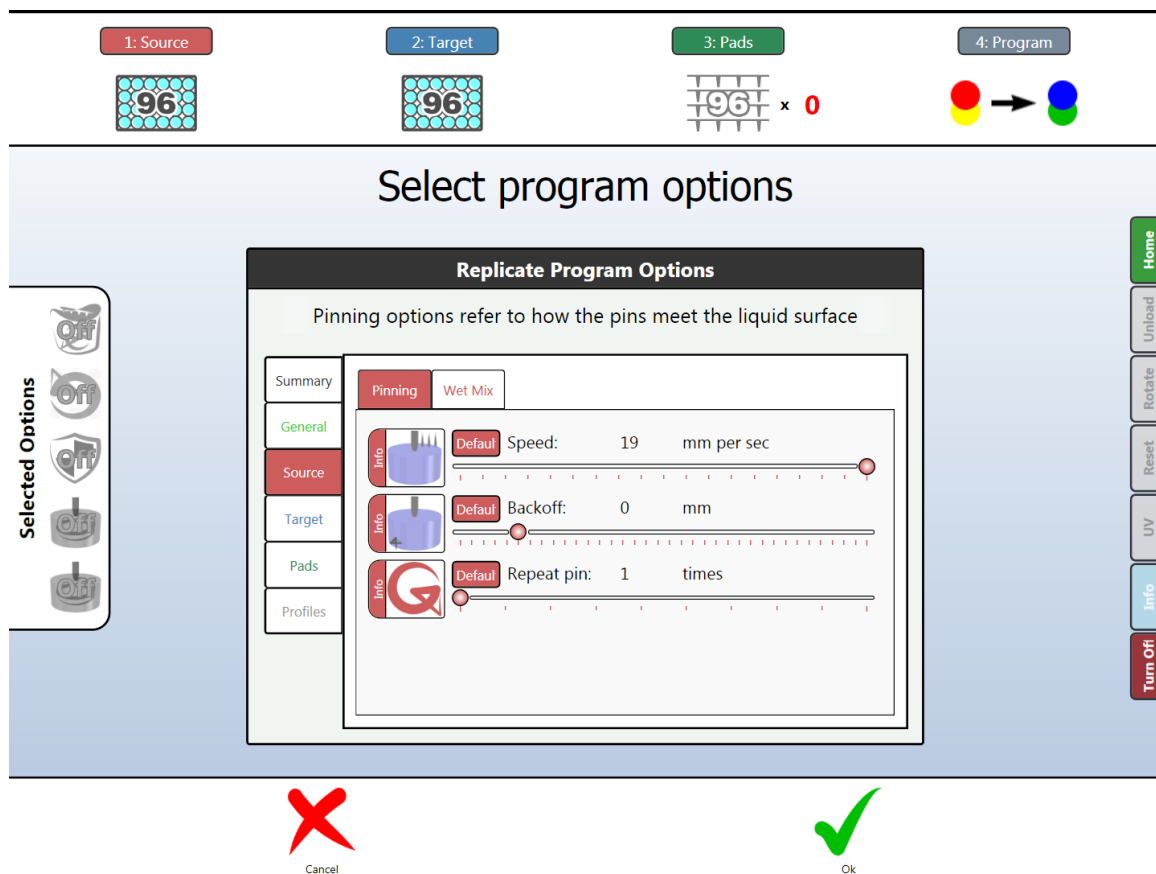
INTRODUCTION

This document explains which settings to adjust to get the best use of the stirring function when wet pinning.

Note: For best results it is recommended that the multi well plates used are flat bottomed as opposed to the bowl type.

PROCEDURE

Locate the tab labelled Source (Target gives the same options) as shown in the screenshot below.

- To get the pads to scrape the bottom of the plate the "Backoff" should be set to 0 or below. It has a minimum of -0.5mm.
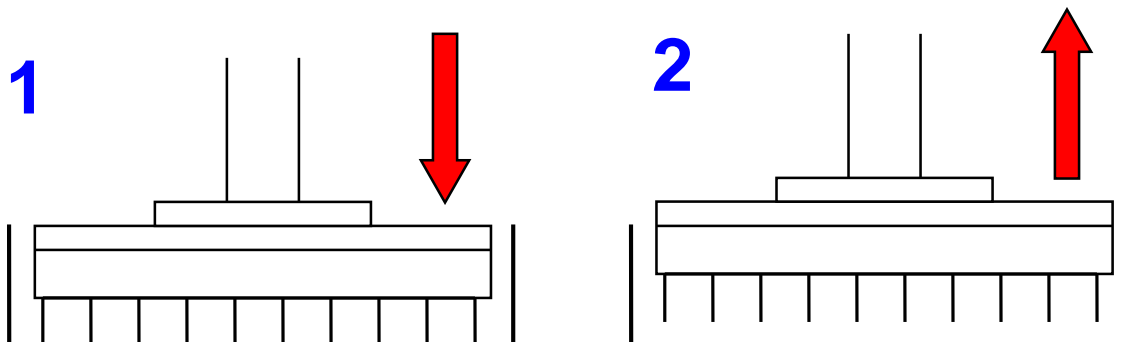

Pinning Page

- To ensure that the cells are well stirred set the "Cycles" to a large number (9 is shown in the example). Select the box labelled "3D" and "Travel" to the amount the head travels up through the liquid in a helix.

Wet Mix Page

PROCESS

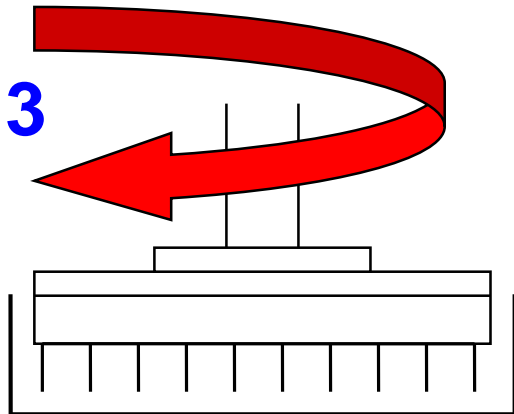To understand the process of liquid stirring see the diagrams below.
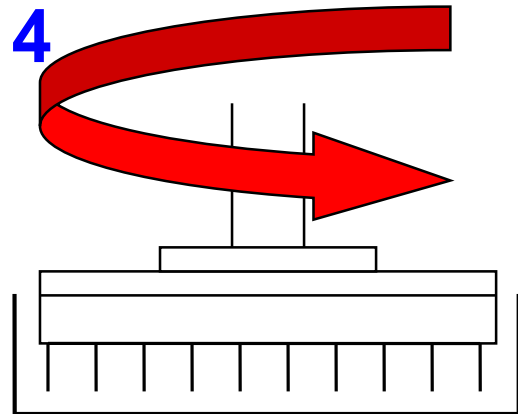

Meet the surface

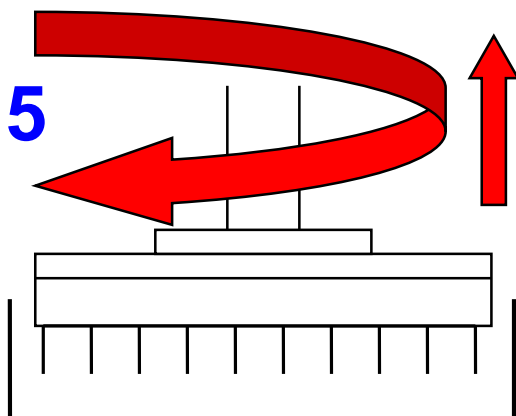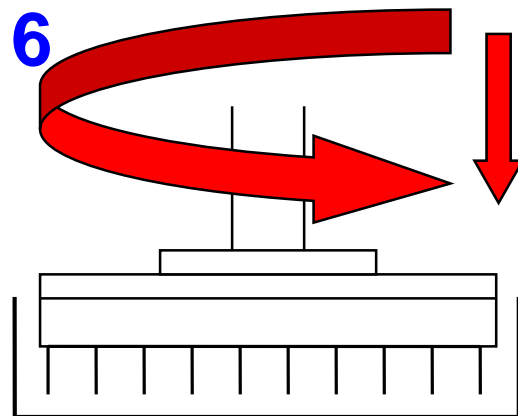Back off from surface by the value specified by "Back off"

3

2d mix CW

4

2d mix ACW

5

3d mix - Up value specified by "Travel". If a positive value is set this will move away from plate, if a negative value is set the mix is towards the plate

6

3d mix - Down value specified by "Travel". This will return to the relative zero (for Z) of the current mix cycle

CONCLUSION

We hope that this explanation will assist you in performing the above procedure. If you need further assistance do not hesitate to contact the Technical Support Team at Singer Instruments.

CONTACT INFORMATION

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