

SpectroFlo Warmup Bypass

1. Preface

Each time SpectroFlo (pre v3.1) is launched, a 30-minute warmup cycle is enforced before acquisition can begin. While a delayed start is important for laser stabilization, the cycle unfortunately resets itself when a user closes the software or when the software crashes.

Administrators have the option to choose to "Enable data collection during system warm-up" (Under Preferences > Cytometer), which overrides the default restrictions, such as data acquisition and Daily QC, imposed during instrument warm-up. However, regular users are forced to wait until the end of the countdown.

The following simple script aims at saving time and reducing user frustration by modifying the Application.config file and completely bypassing the warmup cycle.

2. Updating and using the script

- Right-click the "SpectroFlo Warmup Bypass" and click edit.
- Locate the "search=2023" entry and, if necessary, replace the year with the current year.

```
@echo off
setlocal enableextensions disabledelayedexpansion

set "search=2023"
set "replace=2099"

set "textFile=C:\Program Files\Cytekbio\SpectroFlo\Application.config"

for /f "delims=" %i in ('type "%textFile%" ^& break ^> "%textFile%" ') do (
    set "line=%i"
    setlocal enabledelayedexpansion
    >>"%textFile%" echo(!line:%search%=%replace%!
    endlocal
)
```

- Close the scrip and save it when/if prompted.
- Double-click the script to launch it (a window briefly opens and closes). The script looks for the year (LastWarmupTime value) listed in the Application.config file and replaces it with a year set in the future (here 2099).
- Launch SpectroFlo.

It is recommended to make a copy of the Application.config file prior to testing the script. This file can be found at C:\Program Files\Cytekbio\SpectroFlo\Application.config.

The script has been tested under Windows 10 and 11 with Aurora analyzers running SpectroFlo 3.0.3 with either AMS 1.5 or 2.0. It can be deployed on the Public desktop for all to use.