Clarity AS Control – Agilent ALS autosamplers

The AS Control Module (p/n A26) for Clarity allows to control 6850, 7673 A, 7673 B, 7673 II, 7683, and 7693 Agilent Automatic Liquid Samplers (ALS). The chromatography software equipped with the AS control module provides complete access to all parameters of injection during sequence directly from the computer. Various methods can be used for each sample in a given sequence. The method setup includes AS control parameters, parameters of data acquisition, integration, and calculation.

Control of Agilent 7673 A, 7673 B, and 7673 II autosamplers

The AS Control Module can be used in combination with the GC Control Module for control of these autosamplers on GCs 5890, 68xx, and 7890. The autosampler control is realized via a standard serial port of the computer (COM1 – COM4) with a standard RS 232 cable. 7673 A ALS requires an interface card. For more details, see the corresponding manuals.

Control of Agilent 7683 and 7693 autosamplers

The control of those two autosamplers is realized through GCs 6890 or 7890. To be able to control these autosamplers, it is necessary to purchase the GC Control Module and the AS Control Module licenses. ALS 7683 and 7693 are connected to GCs 6890 or 7890 and do not require their own serial ports.

Control of Agilent 6850 autosampler

This autosampler can be combined only with GC 6850. To be able to control the combination of GC 6850 and ALS 6850, it is necessary to purchase both the GC Control Module and the AS Control Module licenses.

List of ALS parameters directly controlled via Clarity

Sample Wash (pre-injection), Solvent A (post-injection), Solvent B (post-injection), Pumps (preinjection), Injection Volume, Viscosity, On-Column mode, First vial, Last vial, Injections per bottle

- Sample Wash (pre-injection)

- Solvent A (post-injection), Solvent B (post-injection)

- Pumps (pre-injection)

- Injection Volume, Viscosity

- On-column mode

- First vial, Last vial

- Injections per bottle
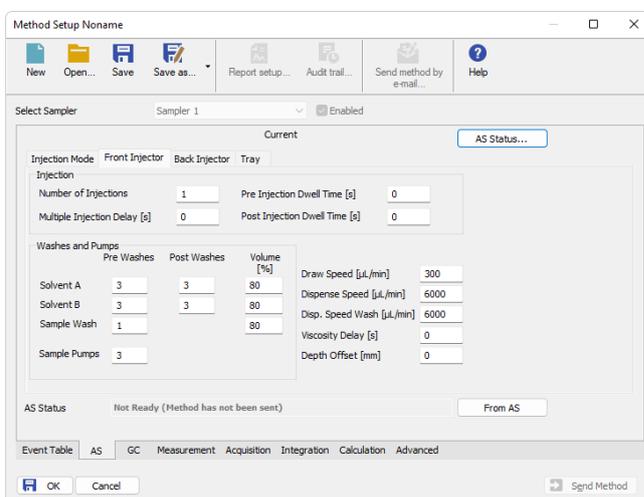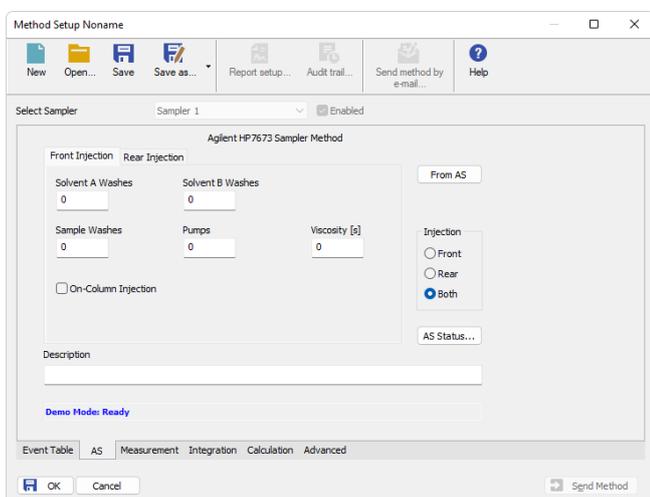
Using 7683 and 7693 as Dual Tower (two injectors)

Clarity allows the direct control of 7683 and 7693 Dual Tower Injectors. When setting up Dual Injectors 7683 or 7693 in GC 7890, it is necessary to follow the GC 7890 manual, chapter 4.6.

GC 6890 supports Dual Injector only for the 7683 autosampler. Setting up has to be performed according to the 6890 manual, chapter 4.6.2.
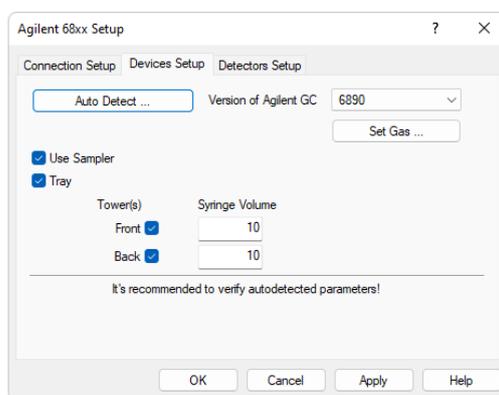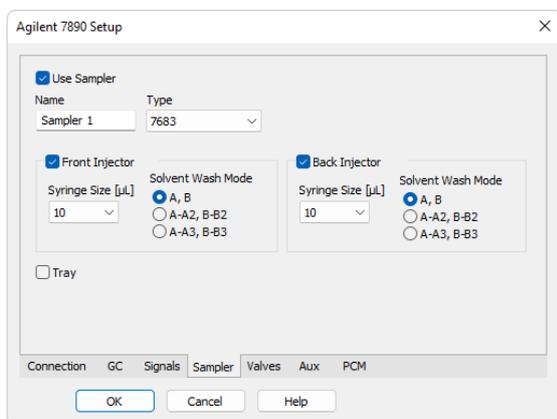
Specification and requirements

Controlled devices: The AS control module is compatible with the Agilent autosamplers 6850, 7673 A, 7673 B, 7673 II, 7683, and 7693

Communication interface: RS232, LAN (via Agilent 6890)

Purchasing: AS Control (p/n A26)

Related products: Clarity (p/n C50)
GC Control (p/n A23) – required for 6850, 7673, and 7693