
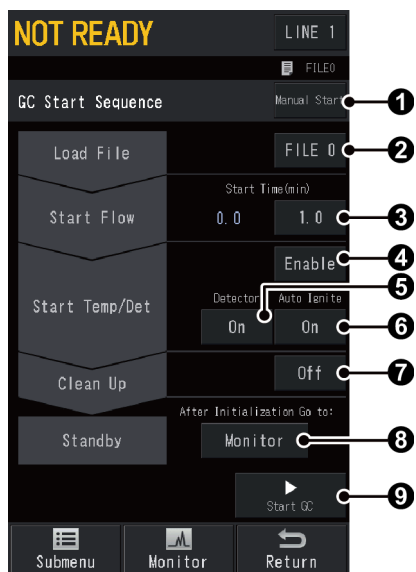




# [GC Start Sequence] Screen





Press  (HOME) - [GC Start/Stop Sequence] while the GC is turned off to display [GC Start Sequence] screen.

You can set parameters related to the GC startup such as start time and clean up.



No.	Item	Description	
1	GC Start Sequence	Sets the GC start procedure after the instrument is turned on.	
		Items	<ul style="list-style-type: none"> <li>Manual Start The GC does not start after the instrument is turned on. Press  [Start GC] on [GC Start Sequence] screen to start the GC.</li> <li>Auto Start The GC starts automatically after the power is turned on.</li> <li>Semi-Auto Control of only carrier gas, detector gas (excluding hydrogen, air, oxygen) and AUX-APC gas starts after the power is turned on. Press  [Start GC] on [GC Start Sequence] screen to start the GC.</li> </ul>
		Default	Manual Start
2	Load File	Sets the file to be used. The GC will be controlled based on the parameters in the specified file.	
		Range	FILE 0 to FILE 9
		Default	FILE 0

<p>③</p>	<p>Start Time</p>	<p>Sets the period of time after flow control starts until temperature/detector control starts. This can be set when ④ [Start Temp/Det] is set at [Enable].</p> <p>Set the start time considering the polarity of the column and dead time (time spent until substances not adsorbed by the stationary phase elute).</p> <p>Examples for start time setting are shown below.</p> <ul style="list-style-type: none"> <li>In the case of a 30 m neutral column and a 30 cm/sec linear velocity (dead time 100 sec.) : Approximately 5 min</li> <li>In the case of a 60 m high-polar column and a 20 cm/sec linear velocity (dead time 300 sec.) : At least 10 min</li> <li>If the instrument has been out of use for a time with no column connected : One to several hours</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>When the detector is ECD, set ③ [Start Time] at a value more than 10 minutes. If the temperature increases when the air in the cell is not replaced with nitrogen, it accelerates degradation of the cell.</li> <li>When the detector is BID, extra caution should be exercised on ③ [Start Time] setting to avoid degradation of helium purifier. Normally, set it at 10 minutes. After piping installation or cylinder replacement, set it at about 60 minutes.</li> </ul> <table border="1" data-bbox="558 1209 1497 1317"> <tr> <td>Range</td> <td>0.0 to 6000.0 min</td> </tr> <tr> <td>Default</td> <td>3.0 min</td> </tr> </table>	Range	0.0 to 6000.0 min	Default	3.0 min
Range	0.0 to 6000.0 min					
Default	3.0 min					
<p>④</p>	<p>Start Temp/Det</p>	<p>Select [Enable] to start temperature/detector control after the start time is finished. Select [Disable] to continuously flow the carrier gas and not to start temperature/detector control.</p> <table border="1" data-bbox="558 1456 1497 1568"> <tr> <td>Items</td> <td>Enable, Disable</td> </tr> <tr> <td>Default</td> <td>Enable</td> </tr> </table>	Items	Enable, Disable	Default	Enable
Items	Enable, Disable					
Default	Enable					
<p>⑤</p>	<p>Detector</p>	<p>Select [On] to prepare the detector configured in analytical line for analysis while the GC starts.</p> <table border="1" data-bbox="558 1668 1497 1778"> <tr> <td>Items</td> <td>Off, On</td> </tr> <tr> <td>Default</td> <td>On</td> </tr> </table>	Items	Off, On	Default	On
Items	Off, On					
Default	On					

6	Auto Ignition	<p>Select [On] to ignite the FID or FPD automatically while the GC starts.</p> <p> <b>Hint</b> This setting is linked with the setting of [Auto Ignition] on [Detector] screen.</p> <p> <b>Reference</b> For manual ignition of FID and FPD, see the following sections. "FID ignition" "FPD ignition"</p>	
		<p><b>Note</b></p> <ul style="list-style-type: none"> <li>For BID, plasma will start to be produced while the GC starts regardless of the setting in 6 [Auto Ignition].</li> <li>For TCD, ECD, and FTD, ignition will not start even the item is set at [On].</li> </ul>	
		Items	Off, On
	Default	On	
7	Clean Up	<p>Select whether to run the clean up program after the GC starts up.</p> <p> <b>Reference</b> [Clean Up] Screen</p>	
		Items	<ul style="list-style-type: none"> <li>Off The instrument does not perform clean up.</li> <li>On The instrument performs clean up using the clean up program.</li> </ul>
		Default	Off
8	After Initialization Go to:	<p>Sets the screen to be displayed after the GC initialization.</p> <p><b>Note</b> If a screen other than [GC Start Sequence] screen is displayed when the GC starts up, the screen set here will not be displayed.</p>	
		Items	GC Stop Seq., HOME, Monitor
		Default	Monitor
9	Start GC	<p>When you press [Start GC], the GC will start according to [GC Start Sequence] screen settings.</p> <p>If you press [Start GC] while the instrument is starting up immediately after the power button is pressed, GC start is scheduled and [Abort] is displayed. Press [Abort] to cancel the GC start.</p> <p>During the GC startup, [GC Stop Seq.] is displayed. Press [GC Stop Seq.] to display [GC Stop Sequence] screen.</p> <p> <b>Reference</b> [GC Stop Sequence] Screen</p>	

## Submenu

Item	Description	See also
GC Stop Sequence	Displays [GC Stop Sequence] screen.	[GC Stop Sequence] Screen

File	Displays [File Select] screen. You can change the file to be used.	[File Select] Screen
Clean Up	Displays [Clean Up] screen. You can set parameters for clean up during the GC startup.	[Clean Up] Screen