



# HTAPREP

## LAB AUTOMATION SOFTWARE

HTAPREP is a brilliant software utility to assist managing simple or complex routines for laboratory automation. HTAPREP allows the definition of the methods, the execution of sample lists and to perform everything you may need for your lab automation needs. Furthermore, HTAPREP includes scheduler functionalities allowing the **simultaneous control of more than one instrument**, whenever required.

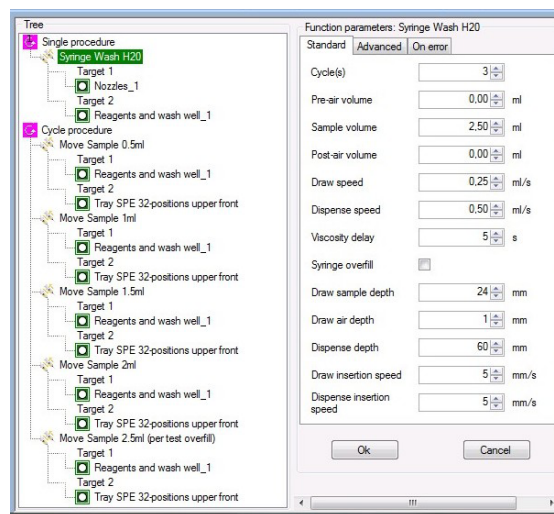
HTAPREP is available in multiple editions that differentiate themselves in relation to the number and to the type of included instrument controls. It has been designed to control several **HTA instruments** (contact your sales rep for a complete list); however it also supports **third-parts devices** (such as microbalances, barcode readers...) for a richer user experience.

### EASY METHOD AUTHORING: YOU DO NOT NEED TO CODE

The industry standard still requires lab managers to code when designing their instruments' methods. We think that the code method design approach is obsolete: lab manager experience is, in fact, frustrating and very often also requires the hiring of external software consultants to complete the most simple change.

In HTAPREP, writing a method from scratch or editing an existing method has never been so easy: **drag & drop** function additions and graphical representation of the method assure a fast development.

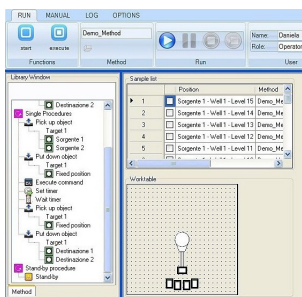
Before validating your method, rapidly spot and solve problems. Stay on top of potential problems by leveraging HTAPREP parameter validation, error discovery tool and debug-mode run to check for missing steps or incomplete target definition. You will be able to **create a robust method in a short time**.



### SMART PROCESSING ENGINE

The smart processing engine provided with HTAPREP is able to offer you multiple ways to process your sample: **serial** (process one sample to the end before moving to the next sample); **parallel** (perform the same step on all the samples before moving to the following step) or **batch** (perform the same step on a batch of samples before moving to the next step for the same batch).

Therefore, you are able to define the best strategy according your goals: **to optimise the productivity, to reduce the reagent consumption or to handle time-critical steps**.



### CREATE SAMPLE LIST: MANUAL OR AUTOMATIC APPROACH

HTAPREP can retrieve **barcode information** in an automatic way from the barcode reader integrated in the controlled instruments whenever available. In all other cases, the user can count on an assisted process via the use of **manual barcode readers** (i.e. barcode gun) or on a **sample name place-holder** (such as date, method name, sample position, etc.); furthermore you are provided with the capability to save and to reprocess a sample list as you need.

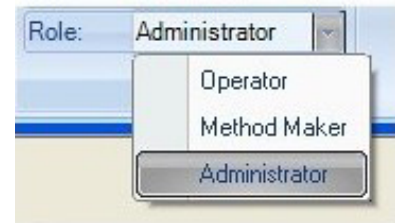
	Enable	Mode	Method	Start position	Final position	Sample name
1	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
2	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
3	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
4	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
5	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
6	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
7	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
8	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
9	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
10	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
11	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
12	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
13	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
14	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
15	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
16	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
17	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
18	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
19	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1
20	<input checked="" type="checkbox"/>	Sequential	CathecolaminesInLine	Tray SPE 32positions upper front - S-A.1	Tray SPE 32positions upper front - S-H.4	Sample 1

## STUNNING USER INTERFACE

**HTAPREP** has been designed keeping in mind the varied audience. **Multiple level access** – before being a GLP software requirement – is a software usability need: multiple audience means, in fact, different needs and different software usage patterns.

When running the software as **OPERATOR**, you are enabled to run samples and check outcomes. When running as **METHOD MAKER**, you are able to create, edit and validate methods. And finally, when running as **ADMINISTRATOR**, you can create or modify instrument layout (also known as worktable), and execute service and setup operations.

Regardless of the role you log in your experience has been optimised. **HTAPREP user interface has been carefully designed to be clear and effective**: the various tools are grouped using the **popular ribbon design** first introduced by Microsoft Office: contextual elements will only appear when needed, thus greatly simplifying the overall experience.



## YOU OWN YOUR DATA

**Execution reports and multiple level log files ensure traceability**, software integrity and easy trouble-shooting. Furthermore you are able to **print your data** (method, sample list, ...) to store or to share hard copies.

## SOFTWARE INTEGRATION

All the necessary software integrations needed to create a great experience are built in HTAPREP: **Chromatography Data System** (Clarity DataApex) | Command line script execution for universal integration | Optional database integration for data storage and **Microsoft Excel** for easily-customisable reporting are available in a limited number of editions.



## POWERFUL TOOLS: ADVANCED USAGE PATTERN

**HTAPREP** comes with many tools and functionalities to help you design the most smart and complete lab automation experience as fast and easily as possible: **Timer events | Function iteration | Management of unexpected events** by design automatic behaviours or prompt users for suggestion. Furthermore, **for OEM and Value Added Integrator, we offer application distribution**.



## TECHNICAL SPECIFICATIONS

### SOFTWARE:

- Microsoft® Windows 7®, Windows 8®, Windows 10®, Windows 11® PC Edition only (excluding mobile devices and appliances).
- Account w/administrator rights
- Additional required software: Microsoft .NET Framework 3.5; Adobe Acrobat Reader

### HARDWARE:

- RAM: 2GB
- Disk space (for installation): 2.5GB
- DVD-ROM drive
- RS232/USB/LAN (Router) port(s) as may be required from your instrument

PC are expected to run Windows OS with the latest update installed (unless differently specified). Software is tested under English Operative System (ISO/IEC 8859-Part 1 "Latin-1 Western European"), 32-bit (for Windows 7 or lower) and 64-bit (Windows 8 or higher) versions.

Only subset of functionalities displayed in this brochure could be available, depending on the supported instruments.

All trademarks are property of their respective owners.

**HTA s.r.l.**

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