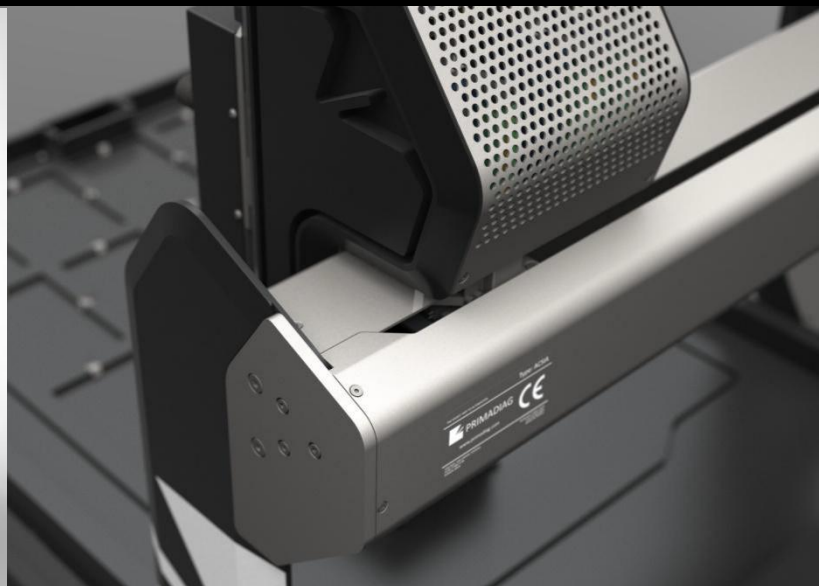




*The easiest way to automation*

**ACSIA Line**

**2018**



Designer, Manufacturer of Innovative Robotics and Biology Application Specialist



The **ACSIA Line** from **PrimaDiag**, is the **innovative** automation solution bringing quality, cost efficiency and simplicity to all the **genomics** (specifically **NGS**) and **proteomics** laboratories.

## At the heart of the French technology



Established in Biocitech, park dedicated to Science and Medical Biotechnology, **PRIMADIAG** is an innovative French company developing **simple and powerful robotic platforms** for rapid automation of a wide variety of protocols in the areas of biology, molecular biology and particularly **NGS**.

With the aim of increasing productivity, avoiding contamination and improving work-flow efficiency, PRIMADIAG **ACSIA line** offers a new concept of robots simple, modular and affordable. This system relies on a set of robotic platforms and accessories that can be combined to support biological protocols. **Robust and reliable**, it is ideal for preparing PCR/qPCR plates, performing nucleic acids purification, **automating steps of libraries preparation and enrichment for Next Generation Sequencing**, or any other liquid handling protocol with a set of powerful modules associated with a **proprietary** ergonomic and efficient software, the **PrimaController® II**.

The **ACSIA product line** is designed as the best value for money to perform a wide variety of liquid handling protocols with the **lowest effort** from the end user. It offers a mastered cost for a **fast return on investment**.

All our products are **designed and assembled in France** in line with **PRIMADIAG's** values:

**P**owerful

The highest quality for all protocols

---

**R**eliable

French quality design and an expert team at your service

---

**I**nnovative

Another way of thinking automation

---

**M**odular

The flexibility for all needs

---

**A**ffordable

The right price for the highest quality

---

## ACSIA Line

"ACSIA Line combines efficiency and profitability"

p.6



### PrimaControllerII

p.8

The most innovative software for your automated pipetting platform

### Modules and accessories

p.10

Various modules and accessories to automate more complex protocols

## Applications

"Get THE ACSIA for your application"

p.16



### ACSIA PCR Edition

p.17

The compact automated pipetting platform for your PCR/qPCR setup

### ACSIA CleanUp Edition

p.20

The patented magnetic beads technology for the most efficient purification

### ACSIA NGS Edition

p.23

The best solution to automate your libraries preparation and enrichment

### ACSIA Custom Edition

p.29

Specify your own ACSIA for your specific need

## ACSIA Line



**ACSIA line** relies on a set of robotic platforms and accessories that can be combined to support biological protocols. Robust and reliable, it is managed by a powerful and user friendly software, **PrimaController® II**.

ACSIA has been thought and designed with the aim to fulfil the following goals:

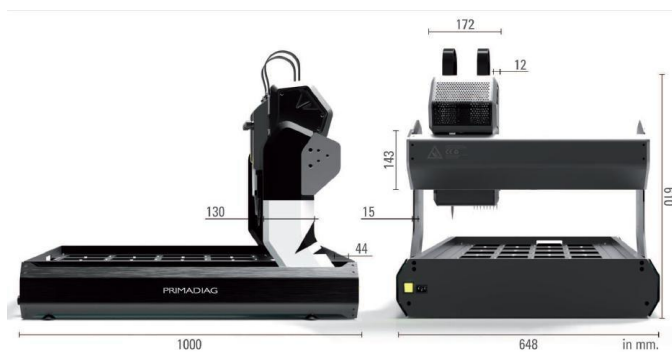
- |                   |  |
|-------------------|--|
| <b>Accurate</b>   | « High precision for all protocols »                   |
| <b>Compact</b>    | « Deck and size optimized for a best comfort of work » |
| <b>Strong</b>     | « Robust unit combining quality and reliability »      |
| <b>Innovative</b> | « Another way to think automation »                    |
| <b>Affordable</b> | « The right price for the highest quality »            |



**ACSIA line** is connected by an USB port to a computer (provided by the company) and managed by **PrimaController®II** software. It comes in two sizes **ACSIA** and **ACSIA XS** which fit with benches.

## ACSIA

**ACSIA** is the largest of our platforms. With **16 SBS positions**, it allows to perform complex protocols by adding numerous modules to its workspace like shakers, thermoregulated modules or magnetic work units. It also can integrate one or two pipetting heads provided with 1 or 8 channels for a better flexibility.



**Dimensions**  
**LxHx (cm)**

**Without hood**

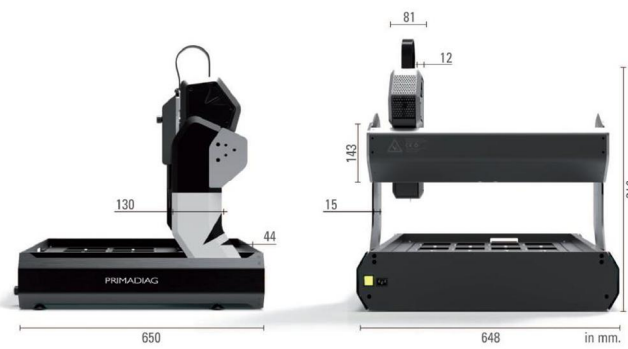
**100x65x72**

**With hood**

**100x72x75**

## ACSIA XS

**ACSIA XS** is the most compact of our platforms with **8 SBS positions** and its **3 XS racks** for tubes. It can integrate one 1- or one 8- channels pipette to process a wide variety of protocols of liquid handling. Its compactness, robustness and excellent performance make it the ideal machine for all the laboratories from small to medium throughput. **ACSIA XS is recommended for PCR and qPCR.**



**Dimensions**  
**LxHx (cm)**

**Without hood**

**78x65x72**

**With hood**

**78x72x75**

## PrimaController®II

### The most innovative software for automated pipetting platform

**PrimaController®II** is the cutting edge easiest way to automate protocols. This software is the result of many years of R&D and is designed to facilitate access to automation to everyone. **PrimaController®II** is the brain's platform.

#### Realistic and interactive view

Do not get confused over choosing consumables anymore. **PrimaController®II** displays a realistic and interactive view of the workspace where every disposable is virtually shaped very close to reality. Moreover it is possible to drag and drop disposables as easily as on a real workspace!



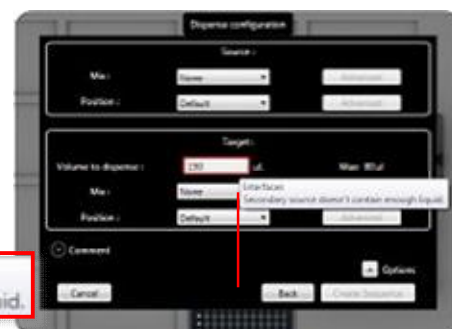
#### Focus on your tasks

Don't worry about programming, focus on protocols. **PrimaController®II** guides operators with wizards for any pipetting tasks and modules control. An innovative selection system allows the choice of the desired wells with a peerless ease. **PrimaController®II** is surprising with its ability in guiding operators in their programming tasks.

#### Real time help

Define the parameters and **PrimaController®II** checks them to avoid any errors of handling and failure of protocols.

Interfaces  
Secondary source doesn't contain enough liquid.







## Samples and liquid tracking

Follow the **tracking ID** of any sample and check the composition of each well using a graphical pie chart display.

Sample IDs can be imported and exported easily or inputted with a bar code reader.

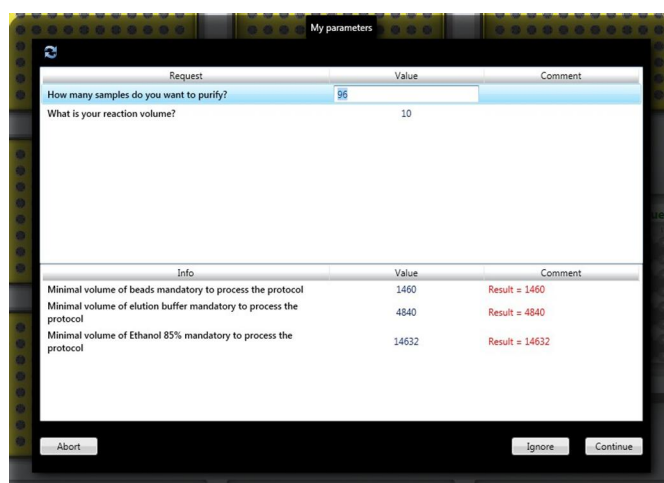


## Smart Management of Tips (SMT)

**PrimaController®II** and its innovative **SMT technology** perform the smartest tip re-use avoiding cross-contamination during processes. It ensures lower process costs by reducing the number of tips used during manipulations.



Request	Value
How many samples do you want to purify?	96
What is your reaction volume?	10



## TWO ways with ONE software

**PrimaController®II** allows two ways of use:

- ✓ **Use on the go:** create protocols within minutes by directly defining tasks. For instance a full 384-well PCR plate definition (48 samples with 4 master mixes in duplicates) can be virtually created in less than 5 minutes
- ✓ **Routine use:** create a more complex protocol to be routinely used by everyone. Just configure protocol by asking **PrimaController®II** to display the changing parameters before the run as relevant issues.

*Increase efficiency and forget the usual programming methods by adopting PrimaController®II.*

## Modules and accessories

### Protective enclosure

**Primadiag** has designed protective enclosures for the **ACSIA products line**. They can include ventilation with an HEPA filter to protect samples from contaminations during runs and/or a UV radiation device to decontaminate the workspace between two runs.

**Primadiag** enclosures exist in two sizes one for **ACSIA** and one for **ACSIA XS** platforms. They can be customized by adding a ventilated device, a UV radiation device or the combination of the both options.

#### Ventilated device with HEPA filter

- On/Off button
- H14 Absolute filter (efficiency 99.999%)
- Door opening detection

#### UV radiation device

- 15W germicidal UV tube
- Timer adjustable from 0 to 30 minutes to adjust the radiation time
- Door opening detection



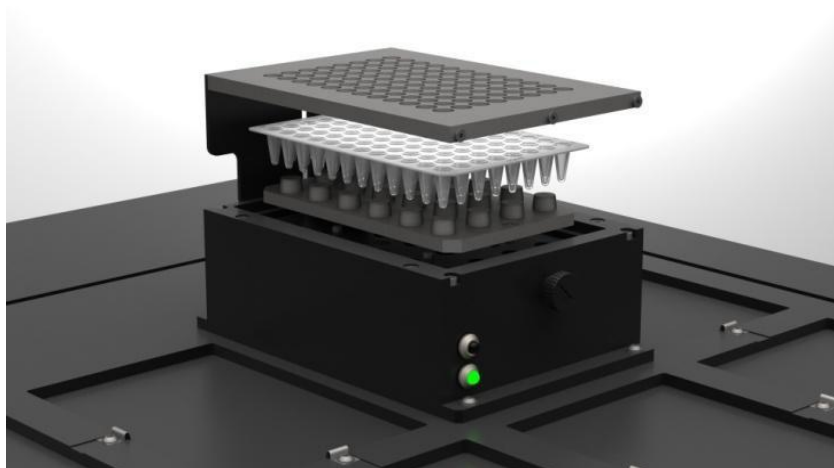
ACSIA with protective enclosure



ACSIA XS with protective enclosure

## Magnetic work unit (for capture)

This innovative module replaces common gripping systems thanks to its patented technology **APIM (Attraction Point by Induced Magnetization)**. Moreover it is provided with a retaining flange allowing to use directly microplates even if they have been twisted by the heat of the thermal cycler.



### **The magnetic work unit brings more simplicity while improving efficiency:**

- Switch On and Off the attraction of the magnetic beads without moving the PCR microplate. Errors during manipulations of microplate are eliminated.
- More cost effective than the "passive plate with classic magnets and gripper" solution.
- Pipetting is facilitated by a better reproducibility of the position of the wells (impossible with a gripping system).
- Compliant with most of the clean-up and isolation kits on the market.
- Compliant with most of the PCR microplates (skirted, semi-skirted or no skirted).
- Module managed by simple and powerful software which facilitates the programming for the end user. A simple On/Off command is sufficient to attract/free the beads.
- Allows a low elution volume and optimized washing.

## Heating and shaking modules (for enzymatic reactions)

PrimaDiag proposes modules ensuring a **precise control of temperatures and a mastered orbital or linear agitation**, guaranteeing the quality of samples and the collect of significant data at the end of experiments. All the modules are supplied with recommendations for speed of agitation

### Thermoregulated modules

- From 4 to 110°C
- 7°C/min
- Microplates, deepwells or tube adaptors.



### Thermoregulated shakers

- From 4 to 99°C
- 7°C/min
- From 100 to 3000 rpm
- Microplates, deepwells or tube adaptors.



HEATING AND SHAKING MODULES					
Type	Designation	Heating	Cooling	Shaking	Note
Thermoregulated	Heating Plate	up to 99°C	-	-	
	Cooling Plate 70°C	up to 70°C	down to 4°C	-	
	Cooling Plate 110°C	up to 110°C	down to 4°C	-	
Shakers	Shaker 3000	-	-	200-3000 rpm	ELM
	Shaker 5000	-	-	200-5000 rpm	ELM
Thermoregulated shakers	Heating-Shaker 3000	up to 99°C	-	200-3000 rpm	ELM
	Thermoshake 961C	up to 70°C	down to 4°C	200-2000 rpm	
ELM: version with a unique fixation device maintaining firmly plates while shaking (with this device even plates twisted by heat can be handled)					

- Heating modules are delivered with adaptors for all types of microplates.

### Exchangeable thermal adapters

**PrimaDiag** proposes various types of exchangeable thermal adapters for microplates and tubes. These adapters are made of aluminium assuring homogeneity and efficient conduction of heat. These adapters can be customized at request.

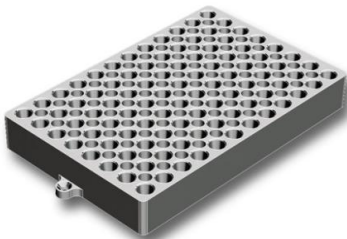
**TATube24x2.0**



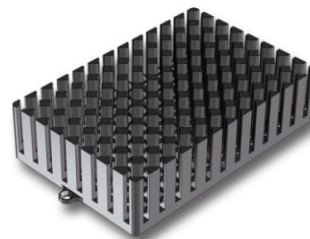
**TAMPFlatBottomH**



**TAMPPCR96**



**TADW96/1000**



## Pipetting head

PrimaDiag proposes **5 pipetting heads in 1- or 8- channels** allowing liquid handling from 0.5  $\mu$ l to 1000 $\mu$ l. All heads answer to specifications stricter than the ISO 8655 standard for the highest accuracy and precision of pipetting tasks. All pipetting heads are easily interchangeable within seconds.



**PrimaDiag's quality makes the difference by:**

- **Increasing quality and reliability of qPCR** by decreasing the difference of cycle threshold (Ct) of duplicates/triplicates
- Quantifying samples with the best accuracy
- **Freeing up time**

Model	Channels	Volume ( $\mu$ l)		Accuracy ( $\mu$ l)	Precision ( $\mu$ l)
<b>P1V10</b>	<b>1</b>	Min	0.5	$\pm 0.01$	$\leq 0.02$
			5	$\pm 0.04$	$\leq 0.04$
		Max	10	$\pm 0.06$	$\leq 0.05$
<b>P1V250</b>	<b>1</b>	Min	1	$\pm 0.06$	$\leq 0.01$
			50	$\pm 0.03$	$\leq 0.03$
		Max	200	$\pm 0.47$	$\leq 0.10$
<b>P1V1000</b>	<b>1</b>	Min	20	$\pm 1.28$	$\leq 0.28$
			100	$\pm 1.22$	$\leq 0.33$
		Max	1000	$\pm 5.02$	$\leq 2.07$
<b>P8V10</b>	<b>8</b>	Min	0.5	$\pm 0.03$	$\leq 0.02$
			5	$\pm 0.05$	$\leq 0.02$
		Max	10	$\pm 0.02$	$\leq 0.04$
<b>P8V250</b>	<b>8</b>	Min	1	$\pm 0.05$	$\leq 0.05$
			50	$\pm 0.03$	$\leq 0.03$
		Max	200	$\pm 0.90$	$\leq 0.40$

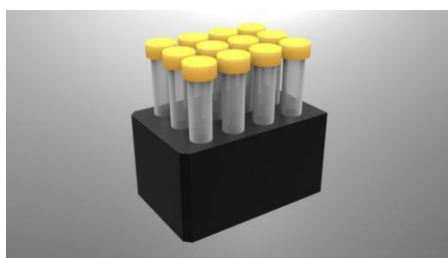
PrimaDiag's pipetting heads specifications



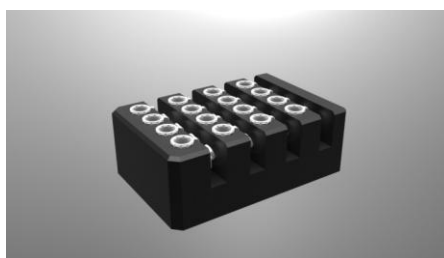
## Racks and others accessories

**PrimaDiag** provides, with "**its turnkey solutions**", many racks and accessories. This allows to optimize the efficiency and the flexibility of protocols with **ACSIA line platforms**. They have been designed and validated by our team to fit with all the requirements of the automation with ACSIA.

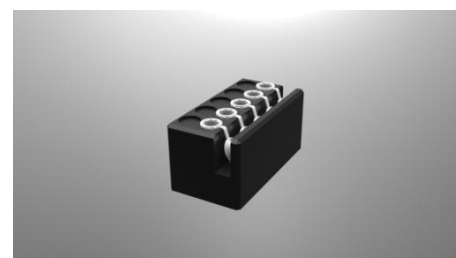
### Racks



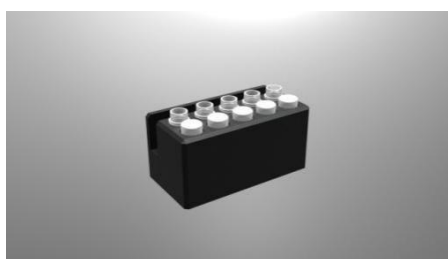
**Rack12x15000S**



**Rack16x2000C**



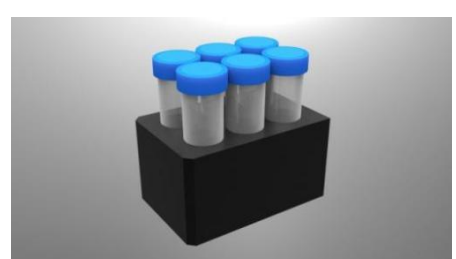
**XRack5x2000SC**



**XRack5x2000SC**

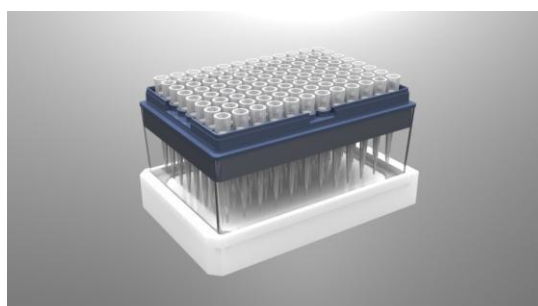


**Rack16x600C**



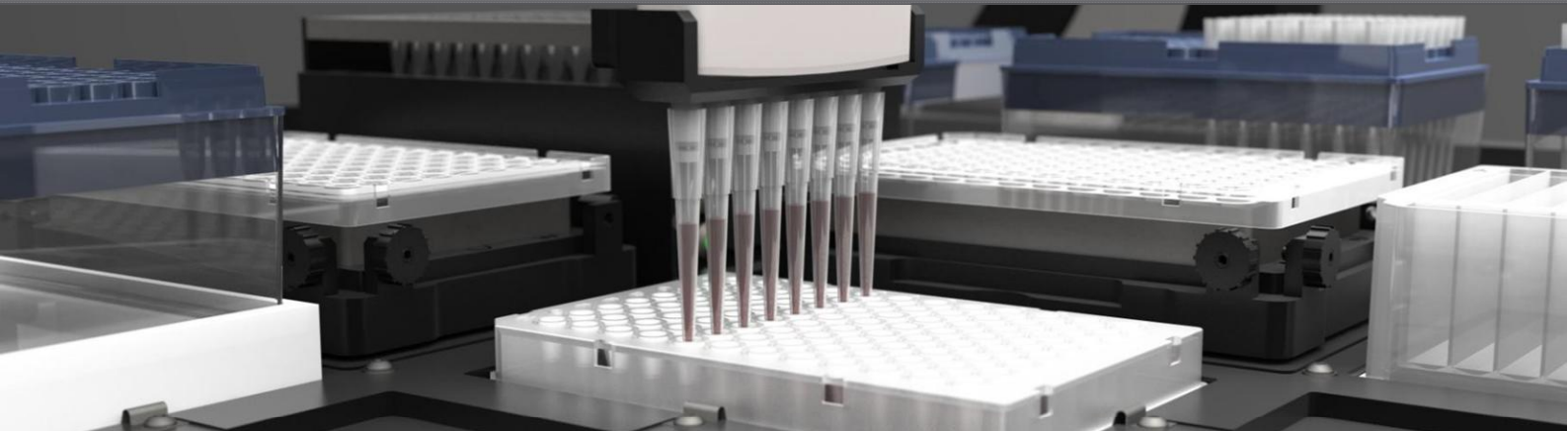
**Rack6x50000S**

### Holder for tip boxes and plates



**TipsHolderACSIA250**

## Applications



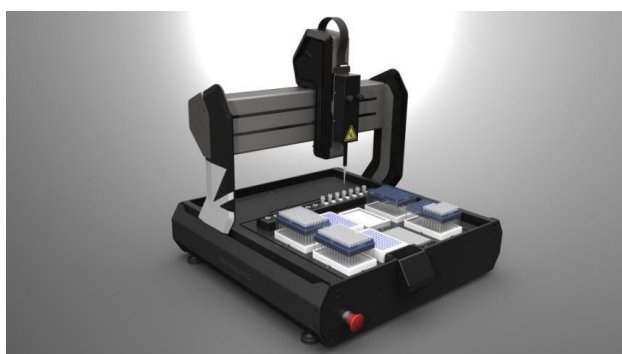
Based on **recurring market needs** and partnering with referent research centers, PrimaDiag continuously works to design new configurations. These **turnkey solutions** are available in four editions (including a custom one).

Needs	ACSIA PCR Edition	ACSIA Clean up Edition	ACSIA NGS Edition	Custom Edition
General pipetting tasks				To be defined according to your applications
Distribution	✓	✓	✓	
Tube to plate transfer	✓	✓	✓	
Plate to plate transfer	✓	✓	✓	
Serial dilutions	✓	✓	✓	
Hit picking	✓	✓	✓	
Concentration normalization	✓	✓	✓	
Plate compression/decompression	✓	✓	✓	
Genomics				
PCR Setup in 96 and 384-wells plate	✓	✓	✓	
Real time PCR Setup in 96 and 384-wells plate	✓	✓	✓	
SNP detection	✓	✓	✓	
HLA genotyping	✓	✓	✓	
Forensics		✓	✓	
Sequencing setup		✓	✓	
Nucleic Acid purification				
PCR and sequencing clean-up		✓	✓	
gDNA from various matrixes		✓	✓	
Plasmid preparation		✓	✓	
Next Generation Sequencing				
Library preparation for NGS			✓	
Enrichment for NGS			✓	
Proteins				
Sample preparation for LC-MS/MS analysis		✓	✓	
Cloning & Synthetic biology				
Gibson Assembly cloning			✓	

## If you meet these Needs

- PCR setup in 96 and 384-wells plate
- Real time PCR setup in 96 and 384-wells plate
- Distribution
- Tube to plate transfer
- Plate to plate transfer
- HLA genotyping
- Serial dilutions
- Hit picking
- Concentration normalization
- Plate compression/decompression
- SNP detection

## PrimaDiag offers ACSIA PCR Edition

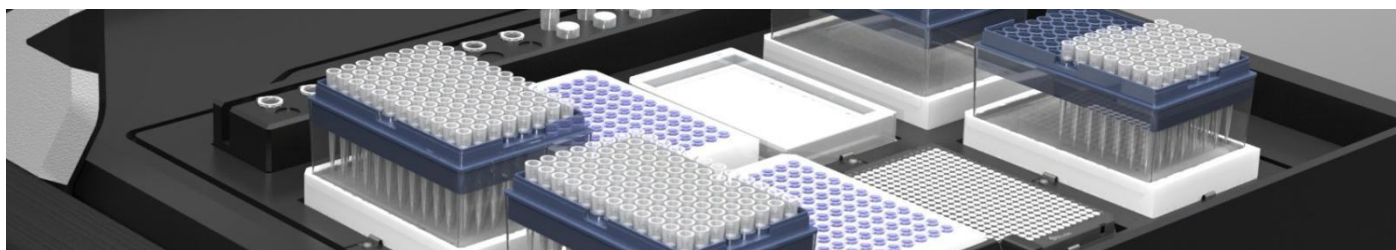


5 minutes to define a PCR protocol with the software PrimaController II

Create or modify PCR setup within seconds and a few clicks

Reduces by 2  $\Delta$ Cts

**ACSIA XS PCR edition** is a compact and strong pipetting platform to realize, without human intervention, complete preparations of 96 and 384 wells PCR plates. It contains **8 SBS locations** and leans on an innovative software, **PrimaController®II**, enabling a fast and accessible handling to everyone.



- Automated platform designed for the PCR/qPCR setup in 96- and 384-wells plate
- Interchangeable pipetting head within seconds
- High quality pipetting with a CV lower than 2% for 1 $\mu$ l and lower than 0.05% for 250 $\mu$ l
- High efficiency automated platform managed by the most innovative, smartest, intuitive software
- Optional protective enclosure for a better safety during processes
- Fast return on investment

**ACSIA PCR Edition** is also available with **16 SBS positions** based on the **ACSIA platforms** with a 250 µL 1-channel pipette and a 250 µL 8-channel pipette.

**Pipetting data**

Model	Channels	Volume (µl)	Precision(µl)
P1V250	1	1 (min.) 250 (max.)	≤ 0.01 ≤ 0.10
P8V250	8	1 (min.) 250 (max.)	≤ 0.03 ≤ 0.11

*Others pipetting heads available*

**Run times (Times indicated with single channel pipette)**

Protocol	Description	Mode	Tip consumption	Run time (min)
PCR	96 reactions (2 mix, 24 ADN, Duplicates)	Single Dispense	100 (Same tip use for the add of Mix, 1 tip used per sample)	29
Aliquoting	1 → 96 x 10µL	Multi Dispense	1 (Same tip use)	3.5
Aliquoting	1 → 96 x 10µL	Single Dispense	12 (8x tip reuse)	10
Reformatting	96 → 96	Single Dispense	96 (1 tip per well)	23
Replication	96 → 384 (4x96)	Multi Dispense	96 (1 tip for 4 wells)	32



Amplification Plot performed by ABI Prism of BRCP1 on 3 cDNA samples. 1µl of cDNA + 9µl of qPCR with P1V250 pipetting head.  
Courtesy of Dr Céline Tomkiewicz (INSERM UMR-S 747, Pharmacologie Toxicologie et Signalisation Cellulaire, Faculté des Sciences Fondamentales et biomédicales, Paris, France)

### Scope of delivery for ACSIA XS PCR Edition:

- 1x ACSIA XS platform
- 1x interchangeable 250µl 1-channel pipetting head
- 1x laptop computer with a pre-installed license of PrimaController®II and its digital user guide
- 1x USB cable
- 1x European standard power cable (power supply compliant with all the worldwide standards)
- 4x holders for ACSITips 250 box
- 1x ACSITips 250 box
- 1x XSRack 16x200 (rack of 16 tubes of 200 µL)
- 1x XSRack 10x600 (rack of 10 tubes of 600 µL)
- 1x XSRack 5x2000 (rack of 5 tubes of 2 mL)
- 1x 96-well PCR plate adapter





## If you meet these Needs

- PCR and sequencing clean-up
- gDNA from various matrixes
- Plasmid preparation
- General liquid handling tasks
- Forensics
- Sequencing setup
- Sample preparation for LC-MS/MS analysis

## PrimaDiag offers ACSIA CleanUp Edition



40 minutes to purify 96 samples

Reduce processes costs due to the SMT technology (Smart Management of Tips)

No residual beads in purified samples

**THE ACSIA CleanUp Edition** is a compact and strong pipetting platform to realize without human intervention the purification of nucleic acids. It contains **16 SBS locations** (14 are free and 2 are occupied by accessories) and leans on an innovative software, **PrimaController®II**, providing a fast and accessible handling to everyone. It includes the **innovative technology SMT (Smart Management of Tips)**, which allows an intelligent re-use of cones without risk of cross-contaminations during manipulations and guarantees a reduction of your costs of process.



- Magnetic Work Unit based on **PrimaDiag's** patented technology **APIM** (Attraction Point by Induced Magnetization)
- Interchangeable pipetting head within seconds
- From 1 to 96 samples purified per run
- High efficiency automated platform managed by the most innovative and smartest software
- Fully customizable protocol within seconds
- A large offer of pre-programmed protocols
- Optional protective enclosure for a better safety during your process
- One of the best value for money in the market



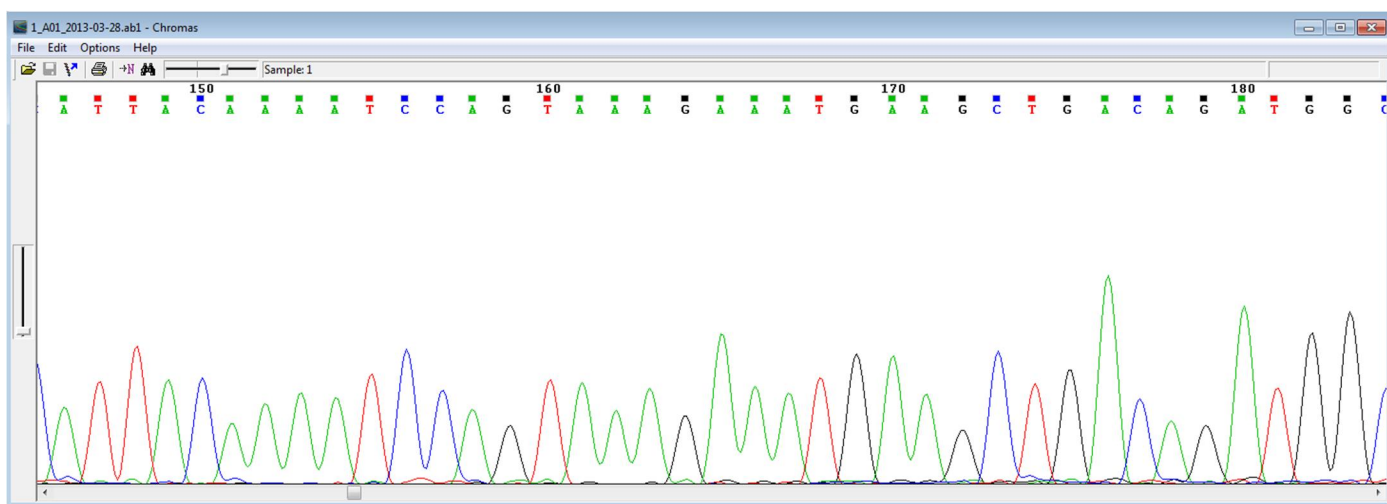
**ACSIA CleanUp Edition** is also available with 8 SBS positions based on the **ACSIA XS platforms** with a 250 µL 1-channel pipette.

Pipetting data	Model	Channels	Volume (μl)	Precision(μl)
	P1V250	1	1 (min.)	≤ 0.01
			250 (max.)	≤ 0.10
	P8V250	8	1 (min.)	≤ 0.03
			250 (max.)	≤ 0.11
	Others pipetting heads available			

**Throughput** 40 minutes to purify 96 samples

**Pipette tip consumption** 2.25 tips per sample for Dye Terminator Removal  
2.23 tips per sample for PCR clean-up

**Dead volume** Low (only few µl)



Electropherogram (courtesy of ICM-Institut du Cerveau et de la Moelle épinière, Paris, France)

### Scope of delivery for ACSIA CleanUp Edition:

- 1x ACSIA Plateform
- 1x interchangeable 250µl 1-channel pipetting head
- 1x interchangeable 250µl 8-channel pipetting head
- 1x patented Magnetic Work Unit (MWU)
- 1x desktop computer with a pre-installed license of PrimaController®II and its digital user guide
- 1x USB Cable
- 1x European standard power cable (power supply compliant with all the worldwide standards)
- 6x holders for ACSITips 250 box
- 2x ACSITips 250 boxes
- 1x Reservoir12 (reservoir comprising 12 tanks of 23 mL)
- 1x Deepwell 96 of 2 mL
- 1x 96-wells PCR plate adapter



## If you meet these Needs

- Next Generation Sequencing (NGS):
  - Libraries preparation
  - Target enrichment
- Gibson Assembling
- Nucleic acids clean-up
- Sample preparation for LC-MS/MS analysis
- Preparation of sequencing reactions
- Forensics
- General simple or complex tasks of liquid handling

## ACSIA NGS Edition

PrimaDiag offers 2 solutions to automate preparations of samples for **Next Generation Sequencing**, mainly at the steps of "**Libraries preparation**" and "**Target enrichment**".

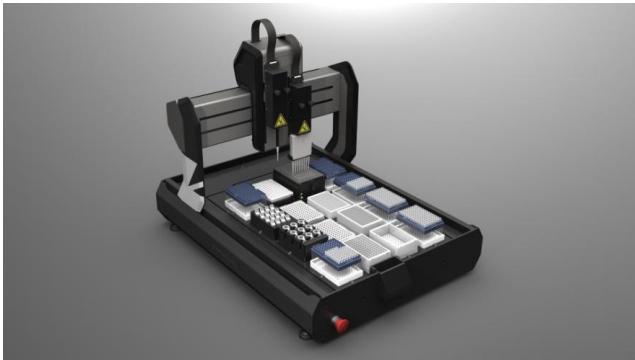


ACSIA NGS<sup>LibPrep</sup>Edition



ACSIA NGS<sup>Capture</sup>Edition

## ACSIA NGS<sup>LibPrep</sup> Edition



Perform from 1 to 96 samples without human intervention

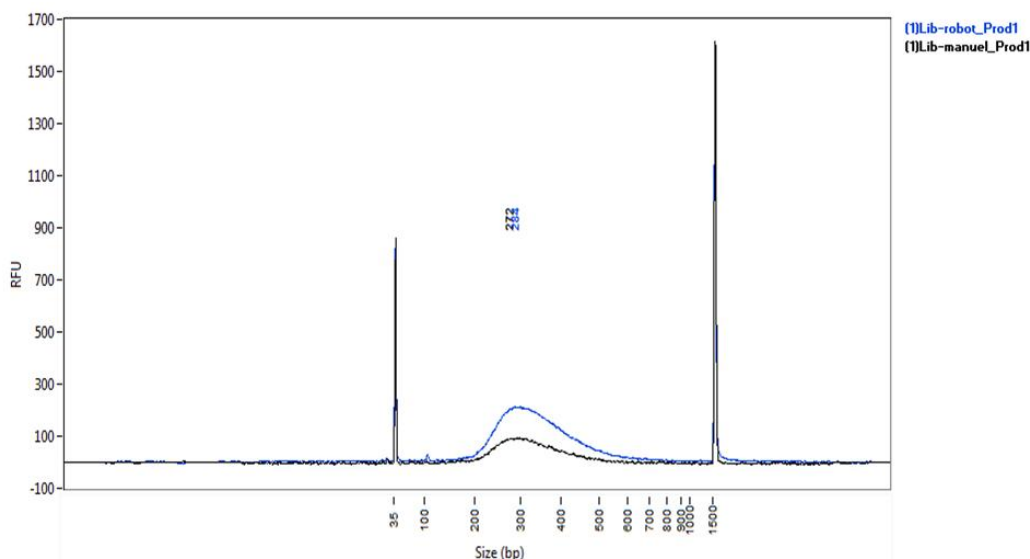
Save reagents and consumables

Yields 20 % more than manual treatment

**ACSIA NGS<sup>LibPrep</sup> Edition** was thought and optimized to handle, in all simplicity, 96 samples without human intervention during libraries creation. It consists of **16 SBS locations** (13 are available and 3 occupied by accessories) and allows the manipulation of magnetic beads, a precise control of the temperature and a mastered agitation (orbital or linear), thus assuring samples quality. Its software, **PrimaController<sup>®</sup> II**, with its realistic and interactive vision coupled with the real time assistant increases operator efficiency who can focus mainly on application tasks. Furthermore, all the parameters are optimized to save reagents and consumables (3 tip boxes for the preparation of 48 libraries instead of 14 manually) and at the end of process, **the yield with the ACSIA is 20 % upper to that obtained manually.**



- Magnetic Work Unit based on **PrimaDiag's** patented **APIM** technology (Attraction Point by Induced Magnetization)
- Pipetting heads are interchangeable within seconds
- High efficiency automated platform managed by innovative, smart, software generating a realistic and interactive vision with a real time assistant facilitating handling.
- Innovative SMT technology allowing an intelligent re-use of cones without risk of cross-contaminations during manipulations
- Pre-programmed protocols for libraries preparation
- Optional protective enclosure for better safety during processes
- One of the market's best quality/price values



**A Library preparation with NEB Next Ultra kit: preparation done with ACSIA (blue curve) has 20% more product than a handmade preparation (black line). Courtesy of IntegraGen, EVRY, FRANCE**

### Scope of delivery for ACSIA NGS<sup>LibPrep</sup>Edition:

- 1x ACSIA Platform
- 1x interchangeable 250µl 1-channel pipetting head
- 1x interchangeable 250µl 8-channel pipetting head
- 1x patented Magnetic Work Unit (MWU)
- 1x HeatingShaker 3000
- 1x TAMPPCR 96
- 1x desktop computer with a pre-installed license of PrimaController®II and its digital user guide
- 1x USB Cable
- 1x European standard power cable (power supply complies with worldwide standards)
- 6x holders for ACSIA Tips 250
- 2x ACSIA Tips 250
- 1x Reservoir 12 (reservoir comprising 12 tanks of 23 mL)
- 1x Deepwell 96 (2 mL)
- 1x 96-wells PCR plate adapter

## ACSIA NGS<sup>Capture</sup> Edition



Perform from 1 to 96 samples

Save reagents and consumables

Create a wide diversity of exome libraries at the end of the protocol

**ACSIA NGS<sup>Capture</sup> Edition** allows the realization from 1 to 96 samples during steps of exomes or gene of interest capture. It consists of **16 SBS locations**, 12 are free and 4 are occupied by the following accessories: **Primadiag's** patented magnetic block, shakers and thermoregulated modules. It also includes a pipette mono-channel of 250 µl and a 8 channels pipette of 250 µL. It is managed by Primadiag's proprietary software, **PrimaController® II**, which is easy to handle and use, strongly shortens training time while allowing the realization of complex processes. Furthermore, thanks to Primadiag's innovative technology **SMT**, the software reduces costs of process by decreasing the number of cones during manipulations (3 tip boxes instead of 9 manually). At the end of protocols, the ACSIA insures minimal losses during sample processing, which translates by a huge diversity of exomes libraries created and reduced costs of the process.



- Magnetic Work Unit based on **PrimaDiag's** patented **APIM** technology (Attraction Point by Induced Magnetization)
- Pipetting heads are interchangeable within seconds
- High efficiency automated platform managed by innovative, smart software generating a realistic and interactive vision with a real time assistant facilitating handling.
- Innovative SMT technology allowing an intelligent re-use of tips without risk of cross-contaminations during manipulations
- A large selection of pre-programmed protocols for target enrichment steps
- Can be used to prepare libraries
- Optional protective enclosure for better safety during processes
- One of the market's best quality/price values



	Manual	ACSIA NGS-Capture-Edition
Couverture (%)	98,5	98,13
Alignment (%)	88,42	89,47
≥ Q30 bases (%)	84,97	85,17
Mean quality Score	33,4	33,5
Mismatch rate (%)	0,8	0,76
Number of detected SNPs	36011	35637
Number of detected insertions	1309	1287
Number of detected deletions	1352	1329

### Scope of delivery for ACSIA NGS<sup>Capture</sup>Edition:

- 1x ACSIA Platform
- 1x interchangeable 250µl 1-channel pipetting head
- 1x interchangeable 250µl 8-channel pipetting head
- 1x patented Magnetic Work Unit (MWU)
- 1x HeatingShaker 3000
- 1x heatingPlate
- 2x TAMPPCR 96
- 1x desktop computer with a pre-installed license of PrimaController®II and its digital user guide
- 1x USB Cable
- 1x European standard power cable (power supply complies with worldwide standards)
- 6x SBS adaptators for “ACSIATips 250” boxes
- 2x ACSIATips 250 boxes
- 1x Reservoir 12 (reservoir comprising 12 tanks of 23 mL)
- 1x Deepwell 96 (2 mL)
- 1x 96-wells PCR plate adapter

## NGS protocols validated and available

PrimaDiag has already tested and validated a variety of **NGS protocols** on **ACSIA NGS Edition**, below a list of these protocols and ACSIA NGS Edition suited for these protocols.

PRIMADIAG DEDICATED PROTOCOLS FOR NGS KITS as of March 2018			
Manufacturer	Kit	Number sample max/run	Configuration
Illumina	TruSight HLA	12	1 or 3
	Nextera	96	1 or 3
	TruSeq Stranded Total RNA	48	3
	TruSeq Stranded mRNA	48	3
	RNA Access	48	3
	TruSeq Custom Amplicon Low Input (TSCA and TSCA dual)	48	1 or 3
	Nextera XT Pre et Post	48	3
	TruSight Rapid Capture	48	1 or 3
	Metagenomic	96	1 or 3
	TruSeq nano DNA	24	1 or 3
Thermo-Fisher	AmpliSeq	48	1 or 3
NEB	NEB NextUltra DNA	96	1 or 3
Roche	KAPA DNA	48	1 or 3
	KAPA Hyper Plus	48	3
	NimbleGen - Capture (SeqCapEZ)	48	2 or 3
Agilent	Agilent SureSelect XT - Pre	32	1 or 3
	Agilent SureSelect QXT - Pre	48	1 or 3
	Agilent SureSelect XT (or QXT) - Capture	48	2 or 3
PacBio	20 kb SMRTbell™	48	3
Qiagen	GeneRead DNAseq	48	1 or 3
Configurations	1= ACSIA NGS LibPrep Ed.		
	2= ACSIA NGS Capture Ed.		
	3= ACSIA NGS LibPrep Ed + Heating Shaker 3000 (#40420)		

## ACSIA Custom Edition



For all the needs, PrimaDiag designs automated solution into four steps:

### **Analyzes the need:**

Following your contact with our sales team, your need is studied by our application engineer. Your project is carefully analysed to define the optimizable steps and fit with the automation constraints.

### **Defines modules and accessories:**

After validating the project, application engineer define modules and accessories required for the protocol. If non-standard devices are required, PrimaDiag's R&D team will design it on request.

### Chooses the robotic platform:

At this stage, the need is qualified. Then the most suitable robotic platform between ACSIA and ACSIA XS is selected. The best choice is done taking into account modules and accessories required by protocols, the targeted throughput and costs.

### Writes and optimizes the methods:

Finally, PrimaDiag's application specialists will design and optimize the ACSIA system protocols to increase the performances and yield of the process. Primadiag's aim is to provide the most suitable solution for customer's needs.

The ACSIA is then ready for a final test and validation in customer laboratory and to be used daily by everybody.

*"During all these steps, PrimaDiag keeps customers close to the definition process to provide a solution which meets customers' expectations and ready for many future evolutions."*



## Made in France

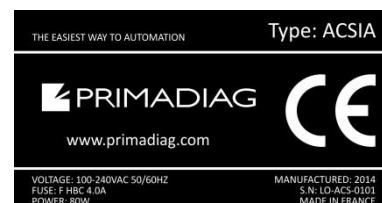


All PrimaDiag automated pipetting platforms are designed and manufactured in France to guarantee the highest product quality and the highest level of support to our customers.

## Safety & CE Declaration

All the ACSIA range of products meets the safety requirements and applicable standards of:

- ☐ Low Voltage Directive 2006/95/CE
- ☐ EMC Directive 2004/108/EC



## Services & Support

PrimaDiag technical support staff provides superior services to customers. Composed by high level people, our service team can help with any requirements about our products, applications or programming.

PrimaDiag proposes some annual services to maintain and upgrade your PrimaDiag products with the highest quality.

## You need an offer or a demonstration?

Please contact your local reseller (<http://primadiag.com/en/distributors/>) or contact us directly at the address below:

**Postal address:** PRIMADIAG SAS  
Parc Biocitech  
102 avenue Gaston Roussel  
93230 Romainville  
FRANCE

**Contact details:** Phone: +33 (0)1.71.89.52.40  
Fax: +33 (0)1.71.89.52.44  
E-Mail: [contact@primadiag.com](mailto:contact@primadiag.com)  
Website: [www.primadiag.com](http://www.primadiag.com)

### To prepare our meeting!

Do not forget an important point of your request; describe your wishes and questions below:

Notes

PrimaDiag will process the order as fast as possible; customers normally receive within 1 week for consumables and accessories except if the articles are out of stock; delivery time is specified at the order for platforms, pipetting heads and modules.

Technical specifications are subject to change without notice.







Parc Biocitech  
102 avenue Gaston Roussel  
93230 Romainville  
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**View our automated pipetting platforms in action!**

**Visit us on youtube now!** "[www.youtube.com/PrimaDiagSAS](http://www.youtube.com/PrimaDiagSAS)"