



Samp'lAIR

An aerobiocollector : What for ?





What for?



- To be sure that the microbiological conditions of an environment are good and clean.

- To collect particles and grow bacteria

- All the particles with bacteria
- In a known volume (i.e 1m^3)
- With security
- Confort and at the best cost

→ **Efficiency**

→ **Calibration**

→ **Traceability**

→ **System features**




How to be sure of the efficiency?

■ Sampl'Air is ISO14698 compliant

Report No. 41-07

Centre for Emergency Preparedness
and Response



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Physical and Biological Efficiency
Testing of Sampl'air Lite
Microbiological Air Sampler Using
Techniques Described in
ISO14698-1

Report No. 41-07

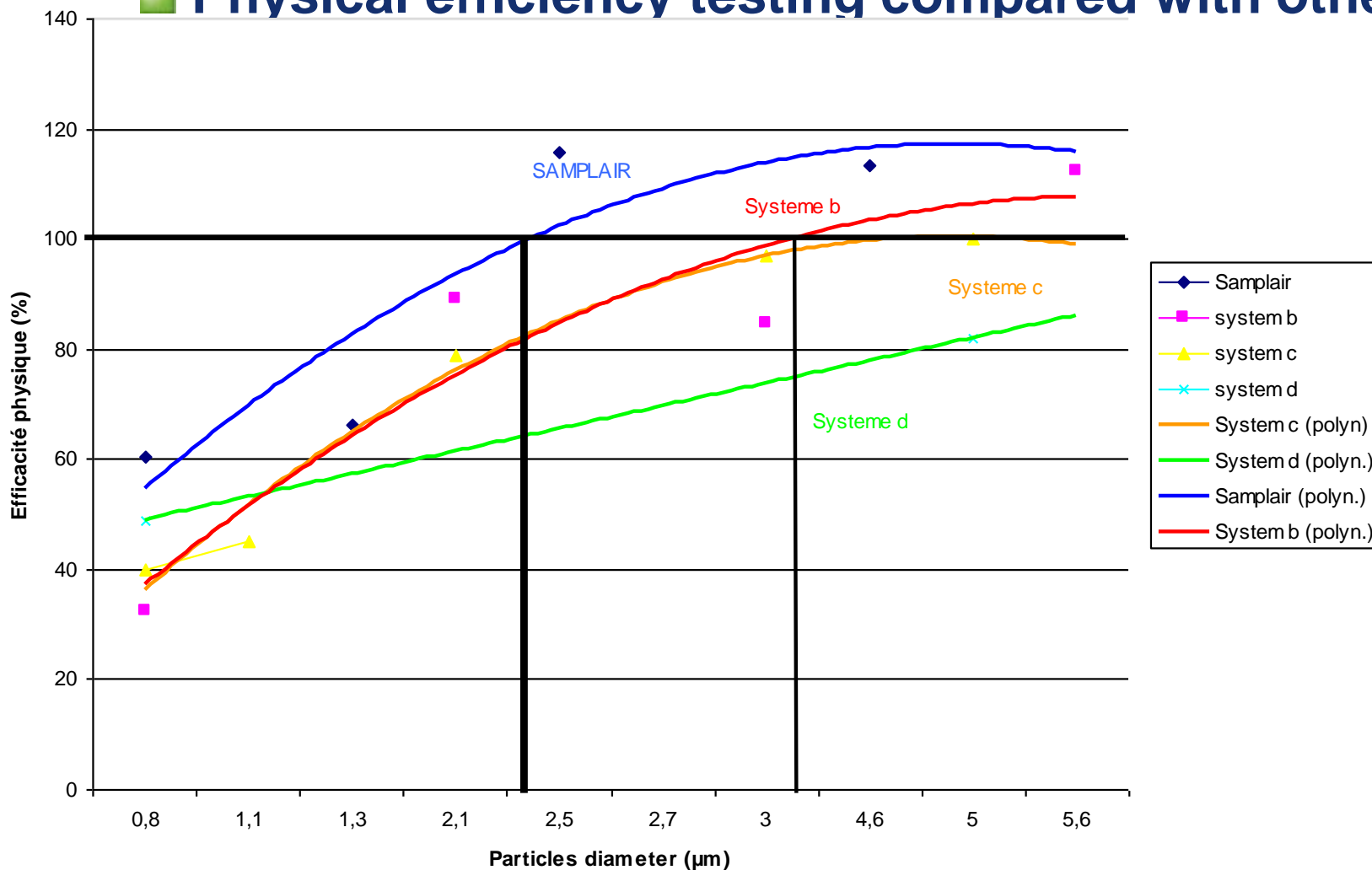
Commercial In Confidence

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Report Written By	Report Authorised By
Name Mr. Simon Parks Title Senior Research Scientist	Name Mr. Allan Bennett Title Group Leader, Biosafety and Training

How to be sure of the efficiency?

Physical efficiency testing compared with others



How to be sure of the efficiency

■ Physical efficiency testing conclusions

- The d50 (diameter of particles for which 50% of sample is collected) is 0.5 μ m

The percentage of microbiological particles found in indoor environments at this particle size is extremely low and therefore

The SAMPL'AIR is able to collect over 99% of particles occurring in this environment (Whyte et Al).

- The Sampl'air is at 100% from 2,1 μ m.
- The Sampl'air is at 66,2% from 1,3 μ m.

The ISO 14698 standard (§ A.3.4.2) a-1 advise to have
«a speed of collection high enough to allow to collect particles from the size of 1 μ m»

The Samplair is very good regarding this advise.

How to be sure of the volume calibration?

- Sampl'air accuracy is proof at +/- 5%
- Each stainless steel grid is calibrated, checked and delivered with a calibration report.
- Each grid is marked with a laser serial number.
- Each monoblock grid is warranty for autoclaving

How to be sure of the volume calibration?

■ Dedicated Automated Calibration Bench has been developed

- certified by an official laboratory.
- connected to a PC, as well as the sampl'air itself (thanks to its data/calibration cable and plug).
- allows to make the verification and then the recalibration of the samplair, and makes a calibration report.



■ Available for metrology labs of users or by the US maintenance service of BioMerieux

■ Can be **loaned** or **bought**

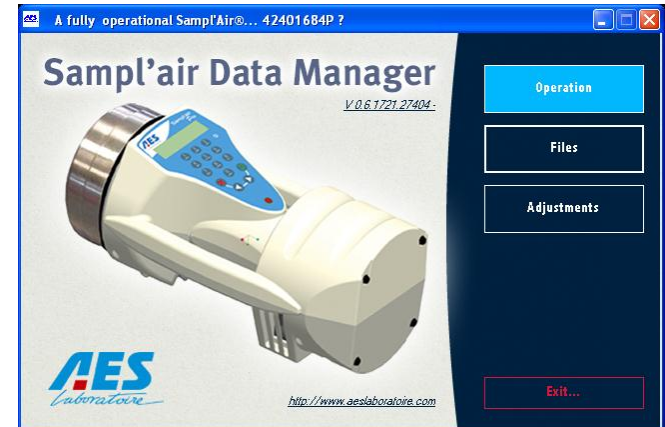
The Samplair data manager software (when activated by calibration login and password) pilots the process.

How to be sure of security?

■ The right plate, the right room

Sampl'air is available in its traçability version:

The Sampl'air PRO



- Management of air sampling report (users/plates/rooms)
- PC link by Sampl'air Data Manager.
- Sampl'air settings and parameters
- Optional printer and barcode reader
- Errors detector

How to be sure of security?

- Scan the barcode of the room (or enter by keyboard).



- Scan the barcode of the plate (or enter by keyboard).



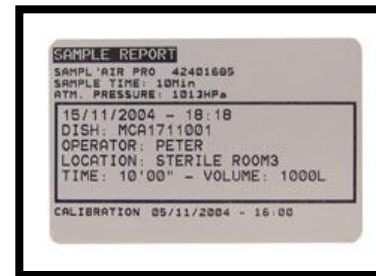
- Start sampling by remote control or using timer.



- Do it again for all your samples (25).

How to be sure of security?

- You can connect and transfer to the printer and print labels

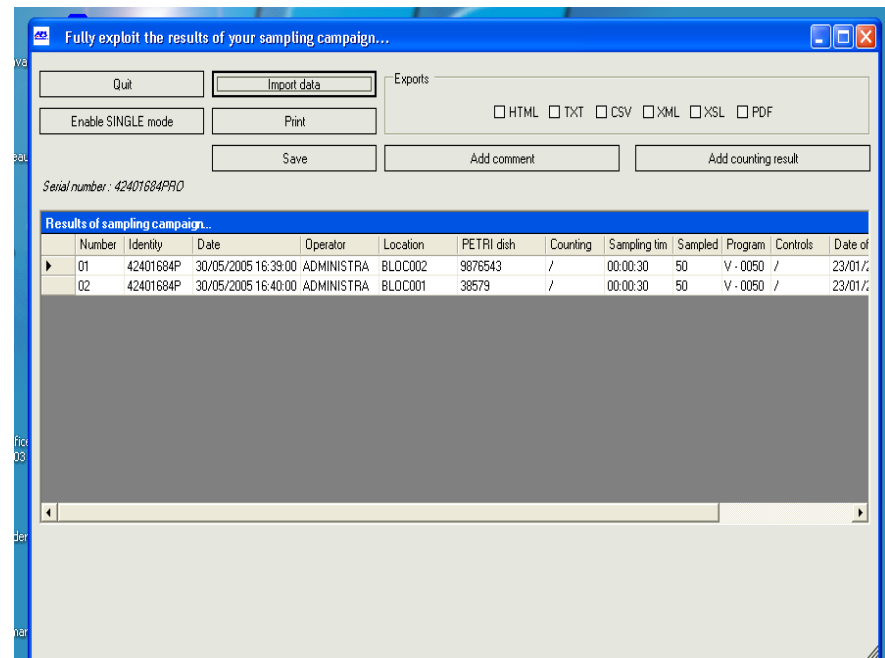


OR

- Connect the Sampl'air to a PC and download with Sampl'air Data Manager.



Sampl'air Data Manager is FDA 21CFR Part 11 compliant.



Features of the Sampl'Air

■ To be sure of confort and payback

- Use Standard 90-100mm plates for optimum using cost
- Monobloc
- Very ergonomic
- <1,9kg (1.820 kg)
- <3,2kg with carrying case
- 25 cycles of 10mn (4h00)
- Good Price
- Program for volumes
- Strength: ABS et inox
- Compact : 27x35x18cm
- An ergonomic and innovative design.

