System Requirements - Valab® Server V15.01

Characteristic	Possible values
Usage	Operation 24/7 (dedicated machine recommended, hibernation and network card sleep mode disabled). It communicates with your LIS through a TCP / IP network connection. Your LIS must have an option allowing Valab® connection and integration.
OS [1]	• Windows Server 2019® x64 Standard Edition with Desktop Experience (graphical interface) • Windows Server 2016® x64 Standard Edition with Desktop Experience (graphical interface) • Windows Server 2012® R2 x64 • Windows 10® x86 and x64 Pro edition
Processor	4-core - 64 bits - 2 Ghz
RAM	4 Gbytes
Disk type	Mechanical hard disk > 10 000 rpm or SSD
Typical recommended disk space	Space needed for the OS + : - licence 1200 reports / day = 50 Gbytes - licence 2400 reports / day = 75 Gbytes - licence 4000 reports / day = 110 Gbytes - licence 6500 reports / day = 170 Gbytes - licence 10 000 reports / day = 250 Gbytes - licence 15 000 reports / day = 440 Gbytes
.NET Framework	Minimum 4.5.1 version
DB	No database engine installed
FireWall - Network	• Fixed IP mandatory • Authorise incoming TCP protocol connections on the port(s) used to communicate with the LIS (by default port 7200 if only one LIS connection) • Authorise incoming TCP and UDP protocol connections on the ports used to communicate with the Valab® services of the Valab® Server and with the Valab® clients (by default 8080, 8089, 8090 and 2110)
Access	• Local administrator account dedicated to the VALAB company • Telemaintenance access (VPN + RDP, remote control software,…) • Internet access to the "valab.com" domain
Backup / Security	• Policy and implementation to be determined by the IS Manager of the medical laboratory • We recommend that you encrypt the connection between your LIS and Valab, in particular in the case of remote hosting of these systems.

System Requirements - Valab® Client V15.01

Characteristic	Possible values
Usage	Thick client for remote access to the Valab® server
OS [1]	• Windows 10® • Windows Server 2019® x64 • Windows Server 2016® x64 • Windows Server 2012® R2 x64
Processor	dual core - 64 bits - 2 Ghz
RAM	4 Gbytes
Disk space	Space needed for the OS + 20 Gbytes
Graphics card	1366 * 768 minimum recommended
.NET Framework	Minimum 4.5.1 version
FireWall - Network	Open ports 2110, 8089, 8090 and 8080 to the Valab® server
Access	Read / write access to the installation directory of the Valab® client for the user

[1] Subject to effective application of the latest security updates provided by Microsoft® for the OS
On condition that the OS is still maintained by Microsoft®