



## System Requirements - Valab® Server V16.XX



Characteristic	Possible values
Usage	24/7 Operation (dedicated machine recommended, hibernation and network card sleep mode disabled). Valab® communicates with your LIS through a TCP / IP network connection. Your LIS must have an option allowing Valab® connection and integration.
OS <sup>(1)</sup>	<ul style="list-style-type: none"> <li>• Windows Server 2025® x64 Standard Edition with Desktop Experience (graphical interface)</li> <li>• Windows Server 2022® x64 Standard Edition with Desktop Experience (graphical interface)</li> <li>• Windows Server 2019® x64 Standard Edition with Desktop Experience (graphical interface)</li> <li>• Windows Server 2016® x64 Standard Edition with Desktop Experience (graphical interface)</li> <li>• Windows 11® Pro Edition</li> <li>• Windows 10® x86 and x64 Pro Edition</li> </ul>
Processor	4-core - 64 bits - 2 Ghz
RAM	4 Gbytes
Disk type	Mechanical hard disk drive > 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	<ul style="list-style-type: none"> <li>• Fixed IP mandatory</li> <li>• Authorise incoming TCP protocol connections on the port(s) used to communicate with the LIS (by default port 7200 if only one LIS connection)</li> <li>• 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)</li> <li>• Authorise outgoing HTTPS protocol connections on the port 443 to communicate with the VSP (remote licence manager)</li> </ul>
Access	<ul style="list-style-type: none"> <li>• Local administrator account dedicated to the VALAB company</li> <li>• Remote maintenance access (VPN + RDP, remote control software,...)</li> <li>• Internet access to the "valab.com" domain</li> </ul>
Backup / Security	<ul style="list-style-type: none"> <li>• Policy and implementation to be determined by the IS Manager of the medical laboratory</li> <li>• We recommend that you encrypt the connection between your LIS and Valab, in particular in the case of remote hosting of these systems.</li> </ul>
System clock	The OS must be synchronised with a time server using the Windows Time service (W32Time)



## System Requirements - Valab® Client V16.XX

Characteristic	Possible values
Usage	Thick client for remote access to the Valab® server
OS <sup>(1)</sup>	<ul style="list-style-type: none"> <li>• Windows 11®</li> <li>• Windows 10®</li> <li>• Windows Server 2025® x64</li> <li>• Windows Server 2022® x64</li> <li>• Windows Server 2019® x64</li> <li>• Windows Server 2016® x64</li> </ul>
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

<sup>(1)</sup> 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®