# Hardware and Software Requirements for SQA-V (all systems) and X-Sperm

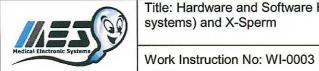The following tables define the requirements and settings for optimal SQA-V and X-Sperm performance:

| Computer | Desktop and Laptop computers have the same requirements |
| --- | --- |
| CPU | Intel Core I5 CPU 2.4GHz Or better |
| RAM | 4GB |
| Video Card | 3D Video Cards to support high resolution (16:10 – 1440 x 900) |
| Screen resolution | Wide screen resolution. The screen should support resolution of 16:10 or 16:9 (i.e. 1440 x 900) |
| USB Ports | **Four** <u>free</u> available USB ports<br>First USB port is for USB to RS232 converter to communication between the PC and the SQA<br>Second USB port is for USB to RS232 converter to sending data over the LIS system<br>Third USB port is for the security key (X-Sperm)<br>Fourth port is for connecting the video capture device |
| CD-ROM | Standard CD-ROM compatible drive |
| Hard Disk | At least 300 GB free hard drive for capturing videos and images |
| Keypad | Standard US 101 Keypad |
| Mouse | Standard mouse |
| Components | |
| Video Capture device + Driver | Supplied by the manufacturer with each X-Sperm software package |
| RCA video cable | Supplied by the manufacturer with each X-Sperm software package |
| Security key | Supplied by the manufacturer with each X-Sperm software package |
| TWO RS232 cable | Two Standard RS232 cables: One for connecting the SQA-V and one to connect to the LIS host |

| Software | |
|---|---|
| X-Sperm | Installation disk Supplied by the manufacturer |
| Office 2003 or higher | Some software controls/functions require Office (Windows 7) – WORD and EXCEL required for downloading test results. |
| Operating system | Windows 7, Windows XP |
| Video Capture Device Driver | Supplied by manufacturer |

| Settings | |
|---|---|
| The PC printer must be defined | In order to enable a report in the X-Sperm software, a default printer must be defined in the PC |
| Windows Classic style | The windows style must be set to "Classic" |
| User account control setting (UAC) | User account control setting must be set to lower security setting (Windows 7 32 bit only) |
| Display resolution (wide) | Set to 1440 x 900 (wide) |
| Visualization default settings - 1 | The video settings should be adjust to<br>Analog Video Standard - PAL_B<br>Video subtype – default<br>Video size – 640 x 480<br>Video input – composite |
| Visualization default settings - 2 | Update the visualization control settings in order to get a good image |
| Video compression tool | Set to Div-X MPEG 4 |

| | Name | Title | Signature | Date |
|---|---|---|---|---|
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