



don whitley  
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## Colony Counting aCOLyte 3



**The aCOLyte 3 provides rapid, efficient colony counting of spiral and pour plates.**

**Simple and convenient to use, it introduces huge time savings compared to manual methods and significantly improves efficiency in any laboratory.**

Developed in response to demand for low cost, rapid plate processing, aCOLyte 3 incorporates sophisticated, user-friendly image analysis software to ensure rapid and accurate counts with minimum user intervention.

aCOLyte can count colonies as small as 0.3mm.

The product is compact in size and designed for simplicity of use. The software allows automatic counting with results transferred directly to Excel or Open Office on your computer. Any laptop or desktop PC can be used as long as it conforms to aCOLyte's minimum hardware and software requirements.

aCOLyte 3 is suitable for counting colonies on any 55mm/90mm pour or spiral plate and is used for Total Viable Counts in environmental, food monitoring, pharmaceutical, clinical and molecular biology laboratories.

**Can be used with any laptop or desktop PC that meets the minimum specification.**



**aCOLyte 3 incorporates software for counting pour and spiral plates.**

## Hardware and Software Specification

A computer is not supplied with aCOLyte 3 however you can use any laptop or desktop PC that conforms to this specification.

## System Features

### Fast and Accurate

Plates are counted accurately and rapidly – typically one plate in less than one second. The system uses a powerful algorithm and a colony separator to automatically split touching colonies to further improve the accuracy of the counting process. The zoom function contributes to more accurate counting.

### Image Quality

aCOLyte 3 features an integral digital camera and upper and lower LED lighting for best quality imaging on both light and dark media. Unlike with any manual system, the system displays the image on your computer screen with colonies clearly marked. A detachable curtain can be used to eliminate strong ambient light, if required.

### Data Presentation

Data can be manipulated on your computer for the production of professional reports. aCOLyte offers complete traceability for UKAS, GLP and similar standards.

**Processor:** Intel Core 2 or Core I processor 2.13 GHz or better. 2Gb RAM, 4Gb recommended. CD-Rom drive (required for software installation). 2 free independent USB 2.0 ports, at least one of which supports hi-speed mode. Note: there are three possible port speeds with USB 2.0: Lo-speed (1.5Mbps), full-speed (12Mbps) and hi-speed (up to 480Mbps). The aCOLyte camera requires a high-speed port.

**Graphics:** Intel X4500 or better (Windows 7 Experience rating for graphics should be a minimum of 3.0, ideally higher).

**Hard Drive:** 16GB, or larger.

**Operating System:** Windows XP Professional 32 bit version, Service Pack 3 or Windows 7 Professional 32 bit and 64 bit version. (Notes: Home versions not suitable. Windows Vista not supported).

**Monitor:** 1280 x 1024 minimum resolution (Note: Not compatible with lower resolutions as some elements of the application become inaccessible).

## Options

## Specification

|               |                              |
|---------------|------------------------------|
| <b>So2012</b> | HP Inkjet Printer            |
| <b>So2036</b> | USB Printer Connection cable |
| <b>So2008</b> | Powered 4 port USB hub       |

|                           |
|---------------------------|
| Order Code: <b>So2304</b> |
| <b>So2304</b> aCOLyte 3   |

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### Don Whitley Scientific Limited

14 Otley Road, Shipley, West Yorkshire, BD17 7SE, England.  
Telephone: +44 (0)1274 595728 Fax: +44 (0)1274 531197  
Website: [www.dwscientific.co.uk](http://www.dwscientific.co.uk) Email: [info@dwscientific.co.uk](mailto:info@dwscientific.co.uk)