Double Beam Spectrophotometer Xenon Lamp

Product Description

High-quality ashing xenon lamp which can start to test directly without preheating, Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum Scan, DNA/Protein test, Multi-wavelength test, etc. The visible instruments find a great variety of applications in the research and scientific laboratory. One such optical device is the spectrometer and spectrophotometers that use the property of light rays to measure the specific wavelength. The specific wavelength of light rays gets absorbed by the analyte present in the biological specimens.

Basic Features

- Extensive accessories are optional, such as peltier /sipper system, 21 CRR compliant software, Provide at Extra cost.
- Auto Wavelength Setting
- Tungsten/Deuterium Lamp can be Turned ON/OFF Individually to Extend Lifetime
- On-Screen Standard Kinetic Carve Display
- USB port for computer connectivity and Data Transfer for other device communications.
- Soft touch key pad.

The PC Control: This software allows save the data, recall the data, analyze your data, and print out the data using the favorable program. All working modes photometry, multi-wavelength, wavelength scan, quantitative, DNA, and kinetics are encompassed in the software.

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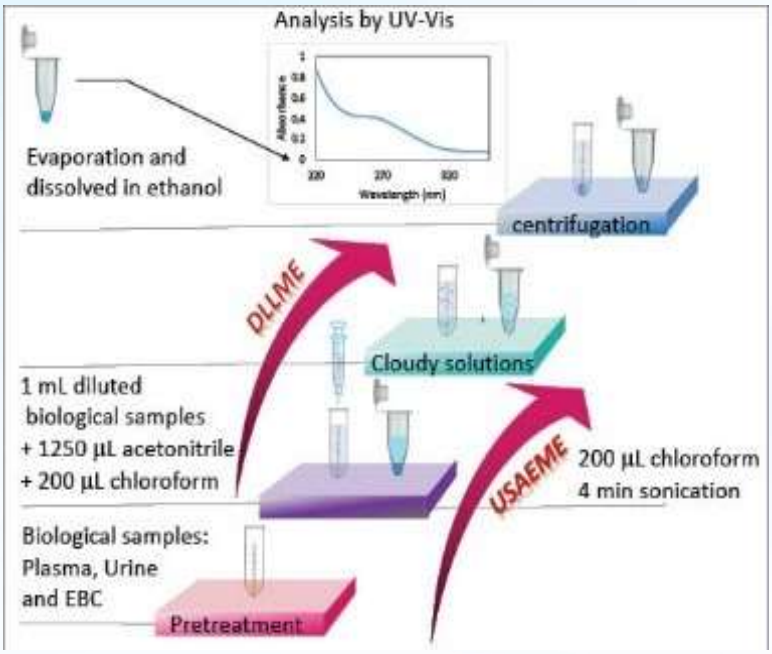
Measurement Software Screen The UV professional software is evident and uncomplicated design measurement results make it easy to read.

Easily Report Print-out Print from the measurement window with one click. Easy Transfer of Result Data Users can export result data in text format, and import for analysis in other software, such as Excel.

SOFTWARE FEATURES



Fast operation
Full spectrum (200–1,000 nm) of a well is obtained in less than 10 seconds and a full 96-well microplate is read in 6 seconds.

SkanIt software
SkanIt software can be used to control the Multiskan SkyHigh spectrophotometer and supports optimal use of the instrument's features with a visual workflow, easy data analysis, and exporting capabilities.

BioGenix Connect and Microsoft One Drive
BioGenix Connect and Microsoft One Drive cloud-based capabilities enable users to access, manage, and share data remotely, available on touch screen models.

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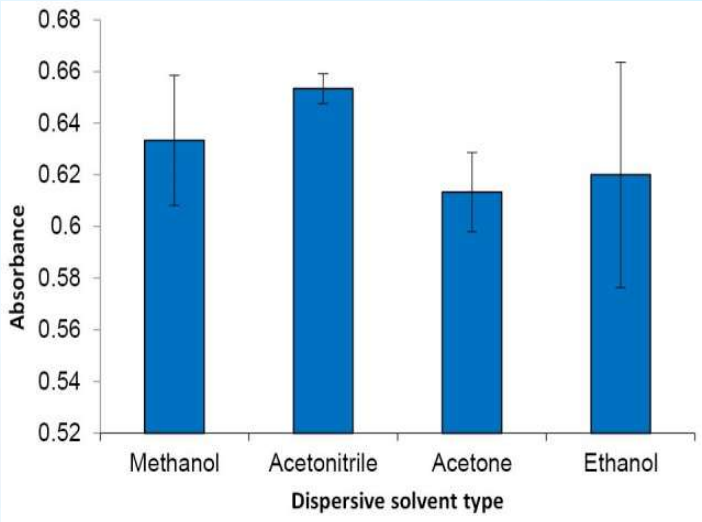
Measuring Absorbance with Spectrophotometer

Flexibility

Available in three different configurations:

1) Light adjustment for screen view
2) Soft-touch keypads for easy operations.
3) Cuvette adjustment systems.
4) Operated directly from instrument keypad and operate with SkanIt PC Software with computer connectivity

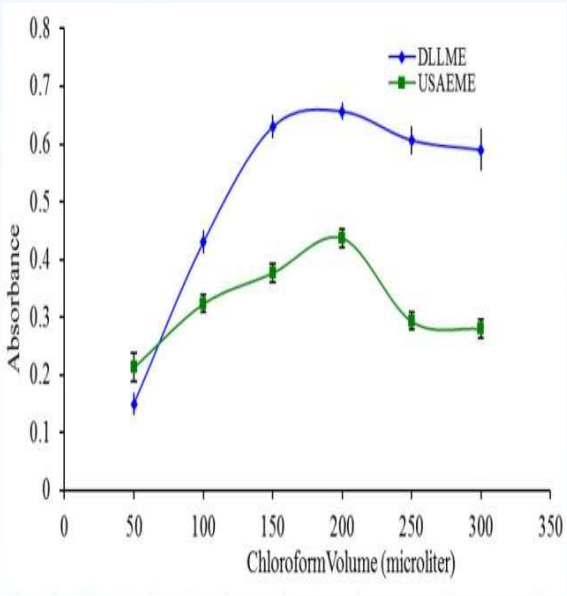


Dispersive solvents such as menthol, acetonitrile, ethanol and acetone, were examined.

Effect of extraction solvent volume on the extraction efficiency. Extraction conditions: extraction solvent, chloroform; disperser solvent: Acetonitrile (1000 µL); sample volume, 10 mL; analyte concentration, 2.0 $\mu g.mL^{-1}$ of bosentan; pH=7.0; extraction time, ~0 min; centrifuging time, 5 min and centrifuging speed, 5000 rpm. The bars indicate the standard deviations (N=3).

The single light beam is split into two beams for the diffraction process. Here, the monochromator plays its role by selecting the specific wavelengths of light for the spectrometry process.

In a double beam UV visible spectrophotometer, only light of a specific wavelength is extracted from the double beams or resulting spectrum. The light rays are extracted from the exit slit opening of the spectrophotometer device. The monochromatic light intensity irradiates the samples and intensity is detected. In this way, the measurement is made. Hence, the transmittance of the light beams is done in the instrument. When it comes to the double beam arrangement, the same monochromatic light is split into two beams that pass through the samples placed at the pointing stage. Here, the measurements are done with a reference point set into the spectrophotometer for the measurement process and later on analysis.



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Technical Specification

Model Name/Number	Fixed Double beam spectrophotometer
Brand	Biogenix®
Optical System	DOUBLE
Display	10.1 inch TFT Colored Capacitive Touch Screen
Type	Fixed
Usage/Application	Laboratory Use
Wavelength Range	190-1100 nm
Size	810 x 660 x 390 mm
Band Width	1 NM
Minimum Order Quantity	1

Instructions for Cleaning Cuvettes

Discard solutions to sink
Rinse with tap water once
Rinse with DI water two times
Place in tube rack, allow to air dry

Applications

- Food and beverage products.
- Pharmaceutical products.
- Medical test samples.

Contact Us-:

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