



SHREE PRABHAV HEM KAMDHENU
GIRIVIHAR TRUST

GOVERNED

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RESEARCH & DEVELOPMENT CENTER

INFORMATION BROCHURE



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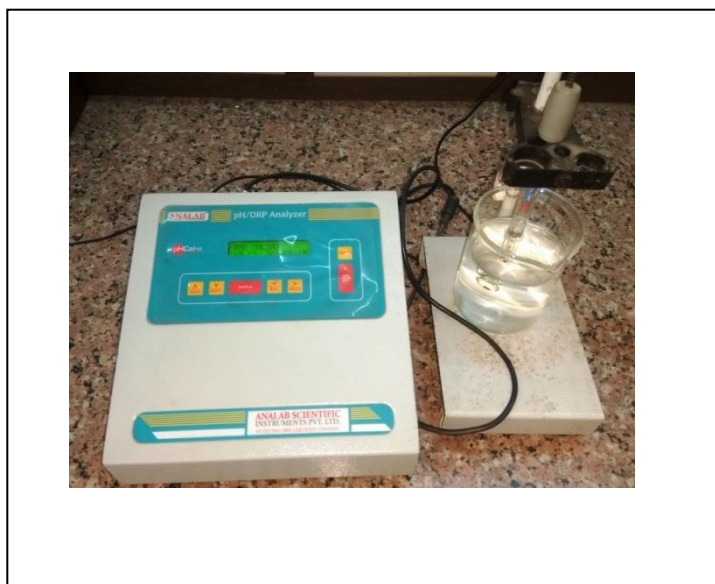
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CENTRAL RESEARCH LABORATORY



Model: Analab Scientific Instruments

PH Cal 10

Application: Analysis of pH for standardisation of drug

PH/ ORP ANALYZER



Model: Analab Scientific Instruments. AquaCal100

Application: Water content determination

KARL FISHER TITRATOR

CENTRAL RESEARCH LABORATORY



Model: Cintex B.O.D. Incubator

APPLICATION: Provide condition for optimal growth of Microbiology cultures,

B.O.D. INCUBATOR



Model: Labtech D.K. Scientific

APPLICATION: For the growth and storage of bacterial cultures.

INCUBATOR

CENTRAL RESEARCH LABORATORY



Model: Model 681

APPLICATION: Used to determine the concentration of certain metal ions like sodium, potassium, lithium, calcium etc.

DIGITAL PHOTO FLUOROMETER

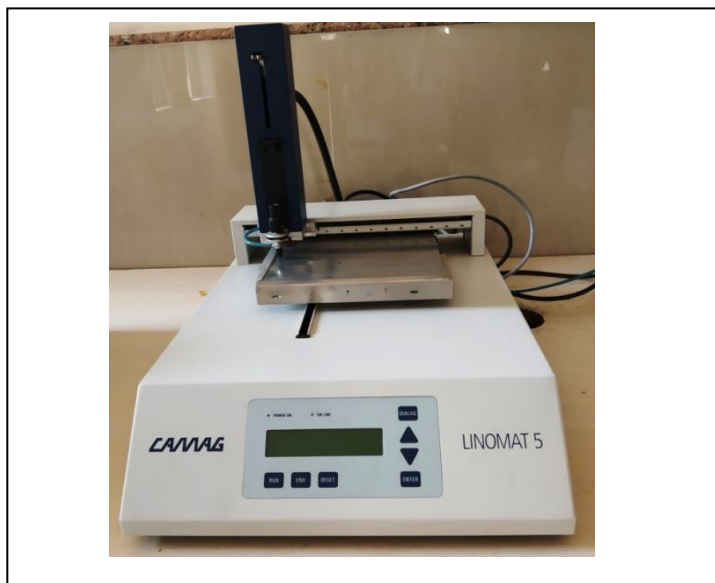


Model: Thermo Scientific, Multiskan Go

APPLICATIONS: Biochemical analyses

SPECTROPHOTOMETER

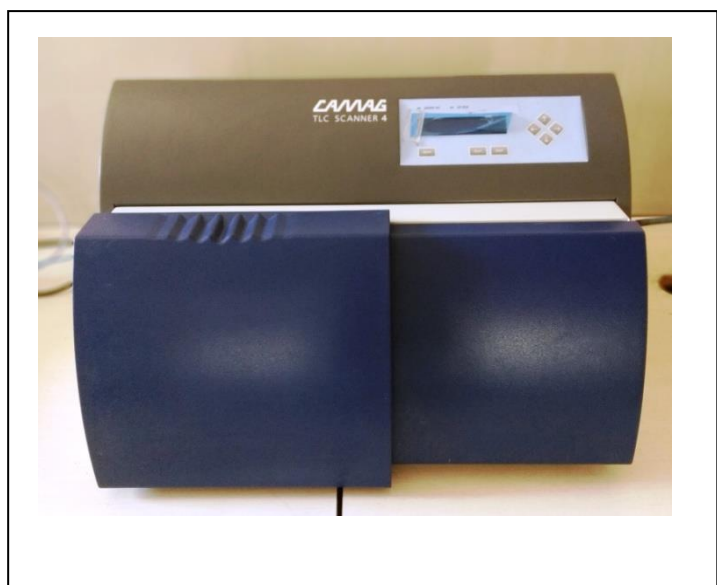
CENTRAL RESEARCH LABORATORY



Model: CAMAG LINOMAT 5

APPLICATION: Sample application
on TLC/HPTLC plates

TLC/ HPTLC APPLICATOR



Model: CAMAG TLC Scanner 4

APPLICATION:

Densitometric evaluation of TLC/HPTLC
chromatograms

TLC SCANNER CENTRIFUGE



HPTLC WHOLE SYSTEM

CENTRAL RESEARCH LABORATORY



Model: CAMAG TLC PLATE HEATER 3

APPLICATIONS: For heating TLC/HPTLC plates to a selected temperature.

TLC PLATE HEATER



Model: REMI R-8C

APPLICATION:

FOR SEDEMENTATION

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Model: Lambda 35 from Perkin

Elmer

APPLICATIONS: Absorption spectra for liquid sample, reflectance spectra for solid thin films and powder samples, optic fibers for larger samples.

UV/VIS SPECTROPHOTOMETER



Model: CHEMLINE CL 701

APPLICATION: For measurement of zone of inhibition

ANTIBIOTIC ZONE READER

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Model: THERMO SCIENTIFIC
FORMA STERI CYCLE CO2
INCUBATOR

APPLICATION: Used for the growth and storage of bacterial cultures by regulating conditions such as temperature, humidity, and CO2.

CO2 INCUBATOR



Model: RICO SCIENTIFIC
RSPT 1

APPLICATION: Measuring of
Sugar Solutions
Sugar in Urine

POLARIMETER

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APPLICATION: Sterilize equipments.

AUTOCLAVE



Model: SONOPROS PR1000

APPLICATION: Homogenization of substances

Disintegration of cells, tissues etc.

Degassing of liquids

Dispersion of particles

ULTRASONICS

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Model: Perkin Elmer

Clarus 580 Gas
Chromatograph

APPLICATION: Used in analytical chemistry for separating and analyzing compounds that can be vaporized without decomposition.

GAS CHROMATOGRAPHY



Model: PERKIN ELMER

AANALYST 400

APPLICATION: Quantitative determination of chemical elements using the absorption of optical radiation

ATOMIC ABSORPTION SPECTROMETER

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**FLUORESCENCE
MICROSCOPE**

Modal: Vert.A1 ZEISS

PHO 50

APPLICATION: A fluorescence microscope is an optical microscope that uses fluorescence instead of, or in addition to, scattering, reflection, and attenuation or absorption, to study the properties of organic or inorganic substances. "fluorescence microscope" refers to any microscope that uses fluorescence to generate an image, whether it is a more simple set up like an epifluorescence microscope or a more complicated design such as a co focal microscope, which uses optical sectioning to get better resolution of the fluorescence image.



HPLC WHOLE SYSTEM

Modal: Waters

Application: Isolation and purification of biologically active natural products.

control of synthetic reactions:-Identification of intermediates and target compound.

Biosynthesis study:- Detection of biogenetic intermediates and enzymes involved. Control the microbiological process.

Used for separation on antibiotic from broth mixture.

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FASCILITIES

Raw Material Standardisation as per API

Finished Product Standardisation as per API



Churna	Avaleha
Kwath churna	Bhasma
Oil	Granules
Ghrita	Asava-Arishta
Tablet/ Guti- Vati	Malahar (Ointment) etc.

Antimicrobial Activity of herbs and formulations

HPTLC

HPLC

GC (GAS CHROMATOGRAPHY)

SPECTROPHOTOMETRY (UV, AAS)