



CENTRE FOR DRUG RESEARCH AND DEVELOPMENT (CDRD)

Date established:

February 2013

Director (since November, 2019)

Prof. Dr. Mohamed Kamal

Professor of Biochemistry

Department of Pharmacology and Biochemistry

Faculty of Pharmacy

Associate Director

Assoc. Prof. Amgad Albohy

Associate Professor of Pharmaceutical Chemistry-

Department of Pharmaceutical Chemistry

Faculty of Pharmacy- The British University in Egypt.

1. Facilities

A- Central Research lab

#	Equipment name	Brand and model
1	UPLC-PDA	Thermo Scientific Ultimate 3000
2	Spectrophotometer.	Jasco – V-630
3	Buchner Filtration Set.	Rocker – <i>Rocker 400</i>
4	SPE Extraction Manifold with pump	Waters - WAT200607
5	Cooling Centrifuge.	Sigma – 2-16 KL
6	Vortex stirrer.	Acculab MX-F Vortex VELP-SCIENTIFICA
7	Ultra-Sonic Water bath.	Elma-Hans Schmidauer: Elmasonic S60 H
8	PH Meters.	Jenway - Model 3510 OHAUS – Starter 3000
9	Flash chromatography with UV detector	BUCHI Labortechnik AG - C-810
10	Rotatory Evaporators.	BUCHI Labortechnik AG Pump V700 with Vacuum Controller V-850
		BUCHI Rotavapor R-100 Pump V-100 Interface I-100 <i>with BUCHI Recirculating Chiller F-105</i>
		EYELA – N-1200BS-W/N-1200BSF-W
11	Sensitive Balance.	Shimadzu Corporation – ATY224
		Ohaus® EXPLORER® SEMI-MICRO
12	Digital Shaking Water Bath	Wisd – WSB-18
13	Magnetic Stirrer and Heater.	DAIHAN Scientific
14	Light Microscope with Camera.	BioBlue.Lab
15	Rational Vacuum Concentrators.	CHRiST® Centrifuge: RVC 2-18 CD plus Solvent trap: CT 02-50 SR Vacuum Pump: DVP 2C – TYRO 12
16	Nanodrop	Quawell – Q5000
17	Real Time PCR	Applied Bio Synthesis (Step One Plus)
18	Probe Sonicator.	Sonics – VCX130FSJ
19	Benchtop H1 NMR	Nanalysis – NMReady 60e

B- Microbiology & Molecular Biology lab:

#	Equipment name	Brand and model
1	Centrifuge	Hettich
2	Thermal Cycler	SensoQuest
3	Cooling Centrifuge	Centurion Ltd - PRO-Research K241R
4	Microwave	Midea
5	Gel Document system & UV Trans Illuminator Benchtop	UVP PhotoDoc-It
6	Gel Electrophoresis	AGBL
7	Water Deionizer	Barnstead MicroPure Thermo Fisher Scientific
8	Vortex	Acculab MX-F Vortex
9	Laminar Air Flow	Bio Base BBS-H1300
10	MicroPulser	Bio-Rad 1652100
11	pH meter	Jenway Model 3505

C- Biochemical Pharmacology lab:

#	Equipment name	Brand and model
1	Microplate Strip Washer / Absorbance Microplate Reader	Bio Tech ELX 50 ELX 800
2	Heat block	DBI-100
3	Tube revolver	Thermo-88881002
4	Tissue Slicer	Copresstom VF-300 KIT
5	Ultra-low (-80) freezer	Thermo Fisher Scientific UxF40086V
6	Mini-centrifuge/vortex	Combi-Spin / Model: FVL-2400N
7	Sorvall Legend Micro 21R Microcentrifuge	Thermo Scientific
8	omniPAGE Western blot unit	Cleaver
9	Compact Digital Rocker	Thermo Scientific

D- Chemical Synthesis & Drug Design:

#	Equipment name	Brand and model
1	Maintenance Free Pump	Porter- Cable CORP. – PCFP02003
2	Water Pump	VELP Scientifica JP - Recirculating Water Pump
3	UV lamp	UVGL – 55
		VILBER VL-6.LC
4	Melting point detector	Stuart SMP 10 - Stuart SMP 30
5	Electronic Sensitive Balance	Nimbus - 6eADAM – NBL223e
6	Vacuum Oven	SH-SCIENTIFIC APin
7	Cold Trap & Low Temperature Bath	HAHNV APOR – HS 3003N
8	Rotatory Evaporator	EYELA – N-1200BS-W/N-1200BSF-W
9	Compact Vacuum Pump	IKA® - MVP 10 basic
10	Auto Dock software for Drug design (Official research license).	

E- Pharmaceutical Technology Laboratory:

#	Equipment name	Brand and model
1	Dissolution tester	Hanson – Vision Classic 6 Hanson – Vision Heater
2	Overhead Stirrer	DAIHAN Scientific
3	Homogenizer	DAIHAN Scientific
4	Spectrophotometer	JENWAY 6305
5	Digital hotplate stirrer	Labnet – Accuplate PC 4200
6	Electronic Balance	Shimadzu ATY224
7	Digital pH meter	JENWAY
8	Single stroke tablet compressor	S.H-KTI
9	Oven	Binder
10	Freeze dryer	Christ- Alpha1-2 LD Plus
11	Shaking water bath	Sci. Finetech
12	Viscometer	Brookfield Ametek DV.1
13	Special Designed Heating mixer (12L)	Q-tech – Household design

F- Cell Culture Lab:

#	Equipment name	Brand and model
1	CO ₂ Incubator	Thermo Fisher Scientific
2	Inverted Tissue Culture Microscope	Labomed
3	Cell Culture Laminar Flow	Flow Fast V
4	Cell Culture centrifuge	BioBase – BK-1032J

