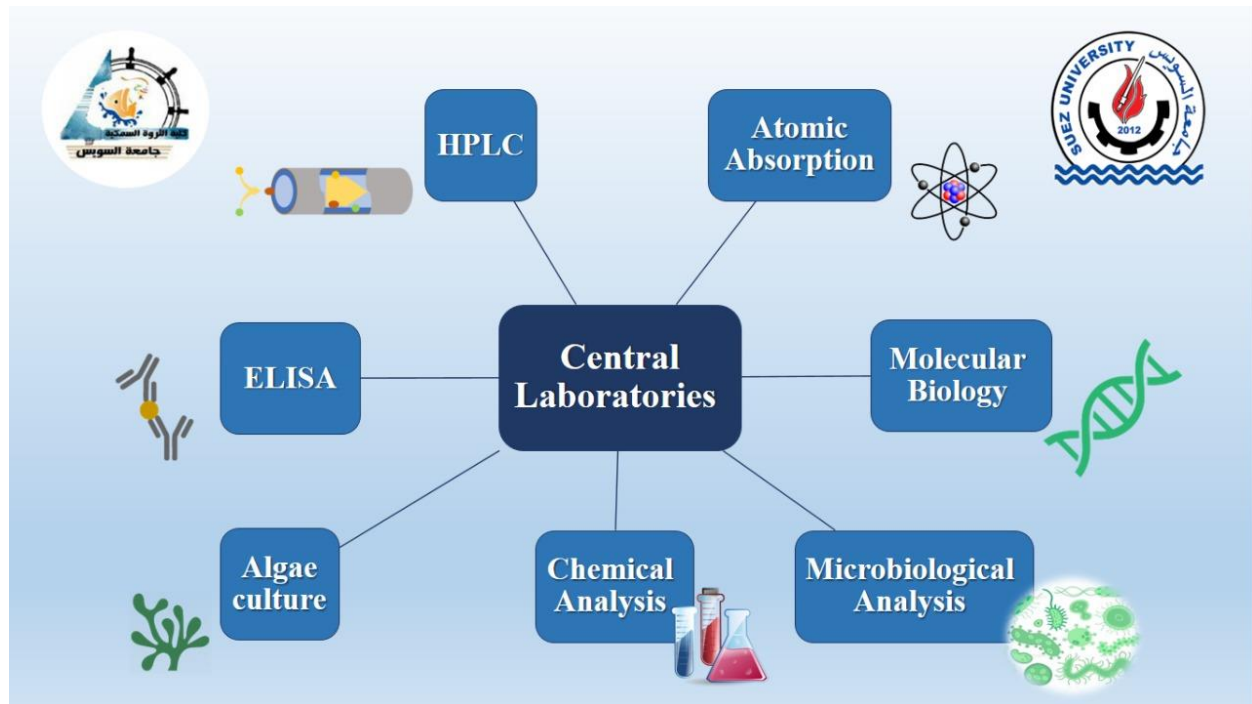


وحدة المعامل المركزية



يتكون وحدة المعامل المركزية التابعة للوحدة ذات طابع خاص لكلية
الثروة السمكية جامعة السويس من عدد 3 معامل و يقوم المعامل
المركزية بالخدمات التالية:



1. معمل مركزي (1)

CENTRAL LABORATORY (1)

1
ALGAE CULTURE AND
BIOCHEMICAL ANALYSIS

2
MICROBIOLOGICAL
ANALYSIS

3
CHEMICAL
ANALYSIS

Logo of Ozeq University (الجامعة العزقيّة) and Faculty of Science, Sohag University (كلية العلوم، جامعة سوهاج).

يقدم المعمل المركزى رقم (1) بالخدمات التالية:

- زراعة و تنمية طحالب:

- يوفر المعمل المركزى احواض لزراعة الطحالب شاملة التهوية و الإضاءة و الرعاية الكاملة.

- تحاليل ميكروبيولوجية:

- Total aerobic bacterial count
- Isolation and identification of some bacteria : *E.coli*,
Salmonella, *Vibrio*
- Gram staining
- Microscopic pictures
- Sample preparation stomaching

- تحاليل كيميائية:

- Total dissolved solids -TDS
- Conductivity-CE
- Temperature
- pH
- salinity
- dissolved oxygen
- Nitrate
- Phosphate
- Silicate

2. معمل مركزي (2)

**CENTRAL
LABORATORY
(2)**

ATOMIC ABSORPTION

**HIGH-PERFORMANCE LIQUID
CHROMATOGRAPHY (HPLC)**

يقدم المعمل المركزى رقم (2) بالخدمات التالية:

**HPLC Analysis- High performance liquid -
chromatography**

Reverse phase HPLC ○

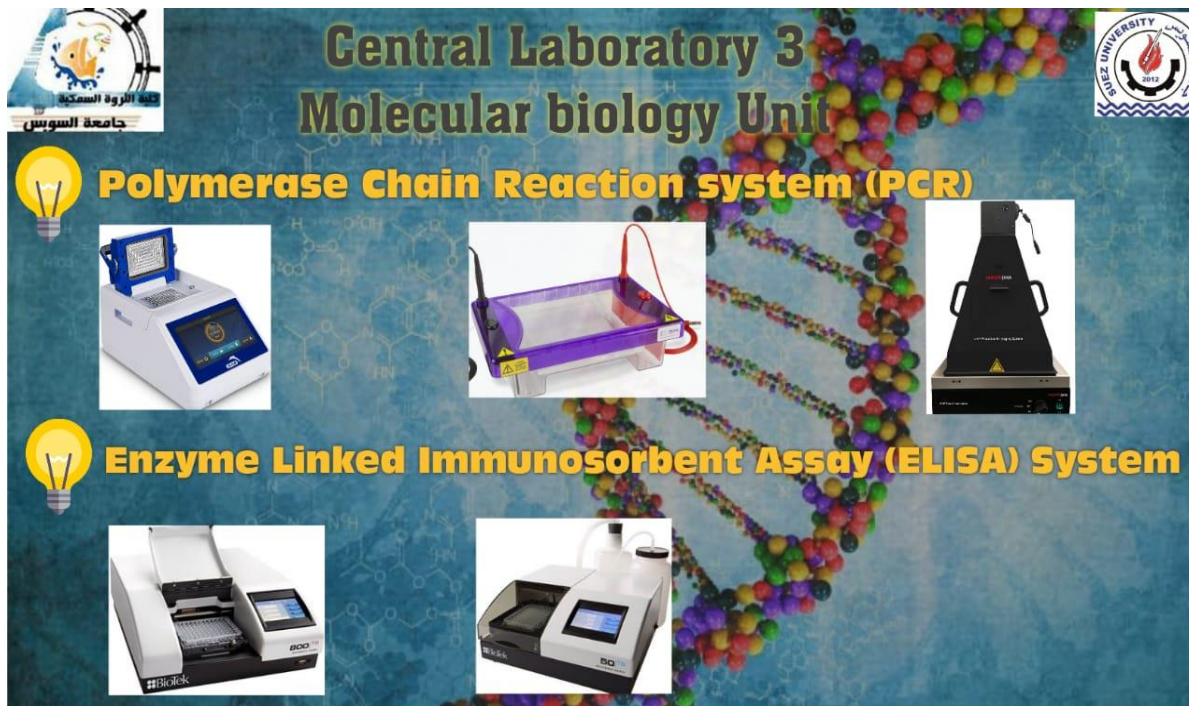
Column -C18 ○

RI detector ○

UV/VIS detector ○


Atomic absorption analysis -

3. معمل مركزي (3)




The banner features a blue background with a DNA double helix structure. At the top left is the logo of Assiut University (جامعة أسيوط) and at the top right is the logo of Suez University (جامعة السويس). The text "Central Laboratory 3 Molecular biology Unit" is prominently displayed in the center. Below this, two sections are highlighted with lightbulb icons: "Polymerase Chain Reaction system (PCR)" and "Enzyme Linked Immunosorbent Assay (ELISA) System".

Polymerase Chain Reaction system (PCR)



The PCR section includes three images: a thermal cycler (left), a block heater (middle), and a heat block (right).

Enzyme Linked Immunosorbent Assay (ELISA) System



The ELISA section includes two images: a microplate reader (left) and a pipette (right).



Ultra low temperature freezer -80°

يقدم المعمل المركزى رقم (3) بالخدمات التالية:

ELISA analysis -

ELISA washer ○

ELISA reader ○

Molecular biology -

DNA/RNA extraction ○

Conventional PCR ○

Reverse transcription ○

PCR purification ○

Gel electrophoresis ○

Gel documentation ○

Quantification of nucleic acid using ○
spectrophotometer

Ultra low temperature freezer -80°C -

Cooling centrifugation -

Central laboratories brochure

Physical - Chemical analysis:

- Total dissolved solids (TDS)
- Temperature
- Conductivity (EC)
- Dissolved Oxygen
- Salinity
- PH
- BOD
- COD
- Nitrate
- Phosphate
- Silicate

VISIT US

El-Salam 1 district, Suez University, Faculty of Fish Resources, Suez, Egypt

Opening Hours

From Sunday to Thursday
9 AM - 3 PM

Contact Us

 Faculty of fish resources - Central lab

 centrallab.frc@gmail.com

 +20

 +20

ELISA



WHO WE ARE?

Faculty of Fish Resources central lab in Suez university is specialized in the following kinds of analysis:

ATOMIC ABSORPTION (Heavy metal analysis):



High-Performance Liquid Chromatography (HPLC):



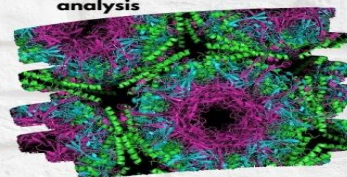
Molecular biology:

- DNA/RNA extraction
- Conventional PCR Amplification
- Reverse Transcription
- PCR Purification
- Gel electrophoresis/Gel documentation
- Quantification of nucleic acids using spectrophotometer



Microbiology:

- Isolation and identification of foodborne bacteria
- Environmental microbial analysis












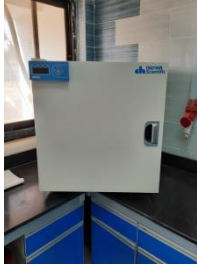

Alga Culture



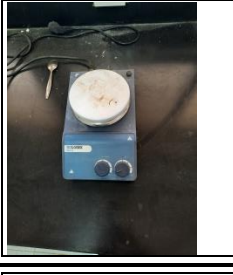



- Isolation and purification
- Scaling up room
- Pigment estimation and biochemical analysis













محتويات المعامل المركزية من الأجهزة







No	Equipment Image	Equipment	Laboratory	Available Units
1		Atomic Absorption	Central lab	1
2		HPLC	Central lab	1
3		vertical autoclave	Central lab	2
4		Incubator	Central lab	1
5		chemical shaker	Central lab	1


6		binder (oven)	Central lab	1
7		Microwave	Central lab	1
8		Centrifuge	Central lab	1
9		Water distiller	Central lab	1
10		Eco-type oven	Central lab	1
11		Centrifuge	Central lab	1

12		Kern balance	Central lab	1
13		Balance	Central lab	1
14		Hot Plate	Central lab	1
15		water distiller	Central lab	1
16		Water Bath	Central lab	1
17		safety cabinet	Central lab	1

18		spectrophotometer	Central lab	1
19		OPTIKA stereo microscope	Central lab	1
20		optical microscope	Central lab	1
21		binocular microscope	Central lab	1
22		Microscope with camera	Central lab	1

23		Shaker	Central lab	1
24		pH/mV/Temperature meter	Central lab	1
25		Dish Washer	Central lab	1
26		Light Intensity Meter	Central lab	1
		Gel documentation system	Central lab	1

		Gel electrophoresis	Central lab	1
		Thermocycler	Central lab	1
		ELISA washer	Central lab	1
		ELISA reader	Central lab	1
		Cooling Centrifuge	Central lab	1
		Stomacher	Central lab	1

		Ultra low freezer- 80°C	Central lab	1
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