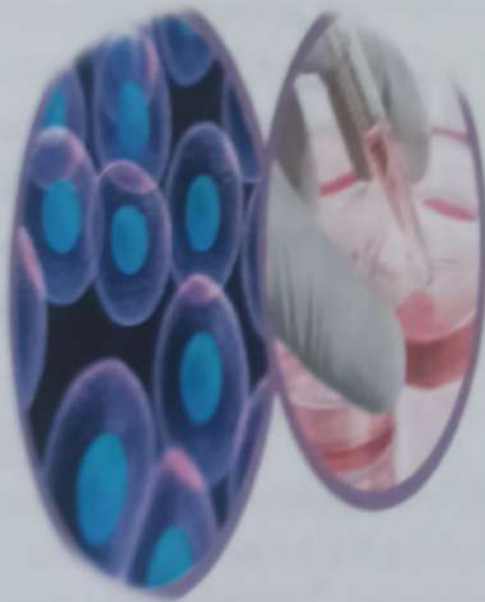


EGY VAC Summer Programs



Cytotoxicity on Cells

Program

1

Training topics:-

This training is covering the

- Principal of MTT assay for synthetic preparation and extracts on different normal and cancerous cells.
- Preparation of cells for the test.
- Method of preparing the materials to be tested for their toxicity on cells.
- Method of calculating the toxicity of substances on cells and Determining The half – Maximal inhibitory concentration (IC50) (Data analysis) .
- Comparison example with other method.
- The Time of course 3 days (theoretical & practical).

Beneficiaries :-

For by chemistry / biotechnology / microbiology / biophysics / bioinformatics / Botany
zoology / chemistry / graduates & post graduates DMLT / B.Sc.
MLT students / PhD scholars / teaching professional.

Customized programs
Can be available upon
request
25% discount for groups

1000 L.E

Media

Program

2

Training topics:-

This training is covering the following techniques using human and animal cell lines :

- Type of media
- Components of media
- Types of water used in production
- Methods of sterilization for production
- Methods of filtration
- Process of preparation and steps of production different types of media
- Packaging of media
- Tests and specification of media
- Storage condition of media
- The Time of course 3 day(theoretical)

Beneficiaries :-

For by chemistry / biotechnology / microbiology / biophysics / bioinformatics / Botany
zoology / chemistry / graduates & post graduates DMLT / B.Sc.
MLT students / PhD scholars / teaching professional.

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1000 L.E

**Program
3**

Cell culture training course

Training topics:-

This training is covering the following techniques using human and animal cell lines:

- Introduction to basic cell culture techniques.
- Various sterilization techniques.
- Culture media and its types.
- Thawing of cell lines.
- Sub / culturing of cells.
- Cell counting techniques.
- Cryopreservation techniques.
- The Time of course 5 days (theoretical & practical).

Beneficiaries:-

For by chemistry / biotechnology / microbiology / biophysics / bioinformatics / Botany / zoology / chemistry / graduates & post graduates DMLT / B.Sc.

MLT students / PhD scholars / teaching professional.

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2000 L.E

Program

4

Fermentation

Training topics:-

Fermentation is a process of using microorganisms such as bacteria to produce vaccines, drug health Benefits foods.

- Preparation of solid and liquid media
- Growth of organism
- Morphology of bacteria
- Identification of the organism by bacteriological staining
- Fermentation basics.
- Fermentation system.
- Fermentation process (inoculum preservation / growth of inoculum / fermenter culture)
- Downstream process (separation / release of intracellular products concentration purification / etc.....) .Applied fermentation.
- The Time of course 5 days (theoretical & practical).

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharma
Agriculture.

Customized programs
can be available upon
request
25% discount for groups

3000 L.E

Good Manufacturing Practice (G M P)

**Program
5**

Training topics:-

- Introduction of training course.
- Materials.
- Personal.
- Premises.
- Qualification & validation.
- Quality management.
- Sanitation & Hygiene.
- Self-inspection & quality audits.
- Sterile pharmaceutical products.
- The Time of course 3 days (theoretical).

Beneficiaries:-

These courses are beneficial to all the following majors' science biotechnology / pharmacology / Agriculture.

**Customized programs
Can be available upon
request .
25% discount for groups .**

3000 L.E

Immunology and cell proliferation

Program

6

Training topics :-

Lymphocyte proliferation is the first step in a proper immune response to create Lymphocytes

- Evaluation of T- cell immune response by measuring in vitro proliferative activity of lymphoid cell.
- The Time of course 2 days {session (6 h) & work shop (6 h) }

Beneficiaries:-

These courses are beneficial to all the following majors' science
biotechnology pharmacy / Agriculture.

Customized programs
Can be available upon
request
25% discount for groups.

1200 L.E

Program

7

Protein electrophoresis

Training topics:-

This test use to determine the molecular weights of protein sample in the presence of protein marker.

- Preparation of gel buffers with adjusted pH
- Preparation of the gel
- Preparation of samples and markers.
- Loading the samples
- Gel staining and de- staining.
- Data analysis
- The Time of course 2 days {session (2 h) & work shop (6 h) }

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology pharmacy / Agriculture.

Customized programs
Can be available upon
request
25% discount for groups.

650L.E

Disk diffusion method

Program 8

Training topics:-

Disc diffusion in agar is a common method of testing the sensitivity of Bacteria to natural product like antibiotics.

A microorganism is judged sensitive or resistant according to the diameter of the zone of inhibition of cultural growth.

- Preparation of agar plates.
- Preparation of bacterial inoculum.
- Inoculating agar plate.
- Applying disk.
- Reading results & interpretation
- The Time of course 2 days {session (1 h) & work shop (3 h) }

Beneficiaries:-

- These courses are beneficial to all the following majors' science biotechnology , pharmacy / Agriculture.

Customized programs
can be available upon
request
25% discount for groups

250 L.E

Definition of the influenza virus & vaccine manufacturing principles

Program
9

Training topics:-

- Introduction to the center and its role.
- Introduction to Influenza.
- Influenza virus Lecture.
- MDCK cell culture and virus inoculation.
- Collecting samples from patients.
- Preparation of solutions.
- Titration of the virus.
- Sample inoculation in embrocated eggs.
- Safety measures in the lab.
- Fundamentals of vaccine manufacturing.
- The Time of course 5 day (theoretical & practical)

Beneficiaries:-

these courses are beneficial to all the following majors' science / biotechnology
pharmacy / Agriculture.

Customized programs
Can be available upon
request
25% discount for groups.

5000 L.E

Total Quality Management (T Q M)

Program
10

Training topics:-

- Introduction to Quality Management.
- Quality Management Principles.
- Quality Tools.
- Statistical Process Control.
- Quality Management System & Internal Audit.
- Quality Function Deployment.
- Quality Cost.
- Service Quality Model.
- Failure Mode & Effect Analysis.
- Lean Six Sigma.
- The Time of course 5 day (theoretical & practical)

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharmacy / Agriculture.

Customized programs
Can be available upon
request
25% discount for groups

3000 L.E

Good Laboratory Practice (G L P)

Program 11

Training topics:-

GLP stands for Good Laboratory Practice, a quality system guideline covering the organizational process and conditions, under which non-clinical laboratory studies are planned, performed, monitored, recorded, reported, and archived. Course content
The course will cover, among others, the following topics: GLP basics – what is GLP, when should you use it? Who are the different actors in the GLP system? GLP requirements for

1. Test Facility Organization and Personnel
2. Quality Assurance Programmed
3. Facilities
4. Apparatus, Material, Reagents
5. Test Systems
6. Test and Reference Items
7. Standard Operating Procedures
8. Performance of the Study
9. Reporting of Study Results
10. Storage and Retention of Records and Materials

Who should attend?

Anyone who wants to learn about the OECD GLPs, e.g. personnel newly employed in a GLP lab, people who wants to start up a GLP facility, GLP professionals who need to refresh their GLP knowledge, receiving authorities of GLP studies.

- The Time of course 3 day (theoretical)

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharmacy / Agriculture

Customized programs
Can be available upon request
25% discount for groups.

1500 L.E

Venomous Animals

Program
12

Training topics :-

- Decoding Venomous Animal Behavior:- Understanding Their Actions
- Venomous Species Identification:- Exploring the Reptile and Invertebrate World
- Safety in Handling Venomous Animals:- Prevention is Key
- Venomous Animal Toxin Research: - Unveiling the Mysteries of a Hidden Realm
- First Aid for Venomous Animal Bites: - A Lifesaving Guide.

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharmacy / Agriculture.

Customized programs
Can be available upon request.
25% discount for groups.

Session1 day (500 L.E)

Course 3day (5000)

From Venom To Medicine Training

Program

13

Training topics:-

- Venom milking and purification.
- Pharmacological Effects of Animal Venoms.
- Antivenin Development: Racing Against Time.
- Medical Applications of Animal Venoms: New Hope for Disease Treatment.
- Ethical Considerations in Venom Use: A Delicate Balance between Science and Ethics.

Beneficiaries:-

These courses are beneficial to all the following majors science / biotechnology / pharmacy / Agriculture.

Customized programs
Can be available upon request.
25% discount for groups.

Session 1 day (500 L.E)

Course 3 day (5000)



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TRAINING CENTER
Human Resources Sector

EGYPTIAN CO. FOR PRODUCTION OF
VACCINES
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اللقاحات

Venomous Animal Management

Program

14

Training topics:-

- Captive Venomous Animal Husbandry: The Art Handling Exceptional Creatures.
- Venomous Animal Conservation in the Wild: Protecting Biodiversity
- Venom Animal control; combating a deadly invasion.
- Public awareness of Venomous Animal Hazards: Spreading Knowledge to save Lives.
- Laws and Regulations for Venomous Animals: Ensuring Safe Interactions.

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharmacy / Agriculture

Customized programs
Can be available upon request.
25% discount for groups.

Session 1 day (500 L.E)

Course 3 day (5000)

Basic Six Sigma

Program
15

Training topics:-

- Introduction, Developments that led to Six Sigma Methodology .
- Why Six Sigma.
- What is Six Sigma, Define phase?
- Six Sigma Phases, Measure Phase, Analyze Phase, Improve Phase, Control Phase.
- Terms ,Six Sigma Belts , Six Sigma as a metric , Six sigma as mythologies (DMADV - DMAIC).
- VOC is Customer, VOB is profit, VoE is process.
- VARIATION.
- The Time of course 4 day.

Beneficiaries:-

These courses are beneficial to all the following majors' science / biotechnology / pharmacy / Agriculture

Customized programs
Can be available upon request .
25% discount for groups.

2000 L.E

Monoclonal Antibodies Production

Program
16

Training topics:-

- The immunological basis of antibody Production.
- Tissue Culture technology and preparation of required media and reagent.
- Protocol and technical skills for immunization of laboratory animals.
- Separation of immune cells from the spleen of immunization mice.
- Growing & throwing of mouse myeloma cells.
- Fusion technology.
- Cloning.
- The Time of course 1 day theoretical.

Beneficiaries:-

- These courses are beneficial to all the following majors' science biotechnology / pharmacy / Agriculture.

Customized programs
Can be available upon request
25% discount for groups.

1000 L.E

Introduction To Intellectual Property

program

17

Training topics:-

Intellectual property (IP) plays a crucial role in research and development (R&D)

- Definition of Intellectual Property
- . Types of Intellectual Property
- Copyright
- Trademarks
- Trade Secrets
- Importance of Intellectual Property
- Laws and International Agreements
- Case Studies and Practical Applications

2000 L.E

- Analysis of Case Studies
- Successful case studies in protecting intellectual property
- Practical Applications
- Workshops on how to register patents. Conclusion and Assessment - Comprehensive review Of the course
- Assessment of students' understanding of intellectual property concepts
 - The Time of course 3 days (session & Workshop).

Beneficiaries:-

- Students and academics.
- Creative art students.
- Entrepreneurs and startups.
- Researchers and scientists.
- Research and development department.

Customized programs
 can be available upon request
 25% discount for groups .

Program
20

Antiviral Course

Training topics:-

Studying the Effect of Chemicals and natural extracts on Viruses and measuring the Quantitative and Qualitative effect of these materials

- Cytotoxicity Test of sample.
- Virus titration.
- Virus titration with sample.
- Observation for CPE of Virus.
- Calculate Titer of Virus & Analysis of Result.
- The Time of course 3 days (theoretical & practical).

Beneficiaries:-

For by chemistry / biotechnology / microbiology / biophysics / bioinformatics

Botany / zoology / chemistry / graduates & post graduates DMLT / B.Sc. .

MLT students / PhD scholars / teaching professional.

Customized programs
Can be available upon
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25% discount for groups.

1500 L.E

Comprehensive course

Training topics:-

- Media.
- Cell Culture.
- Toxicity.
- Antiviral Effect on Cells.
- Fermentation.
- Protein Electrophoresis.
- Poisonous Reptiles, Their Antidotes and How to deal With Them.
- Basic GMP.
- The Time of course 2 weeks.

Beneficiaries:-

These courses are beneficial to all the following majors' sci
biotechnology / pharmacy / Agriculture.

Customized programs
can be available upon
request .