Back to Practice Program (IB1)
Back to Practice Program: Stem Cell and Genomics Techniques

Cost: AED 16,499
(VAT is not included in the above price)

Duration	As per DataFlow Requirement
Format	Lecture + Hands-On Laboratory Training
Target Group	Healthcare professionals who have discontinued their practice for less than ten (10) years for UAE nationals or between two (2) years to five (5) years for non UAE nationals.
Location	FSG Lab — Meeting Room	FSG Molecular Laboratory	FSG Cord Blood Laboratory	Eppendorf Customer Experience Center
Certificate	Certificate of Completion (Eligible for use in DataFlow credentialing and DHA Licensing)

Program Overview

A practical refresher course for allied health and medical technologists returning to practice. This program supports DHA licensing by offering focused, hands-on lab experience in stem cell and molecular genomics. It prepares them for DHA licensing by providing hands-on lab experience in stem cell and molecular genomics, covering DNA extraction, PCR, sequencing, QA/QC, and documentation.

Program Objectives

By the end of the training, participants will:

- Demonstrate proficiency in molecular biology workflows (NA extraction, PCR, electrophoresis)
- Execute cord blood collection, processing, and mock kit setup
- Perform sequencing protocols and troubleshoot data quality
- Apply safety protocols, QA systems, documentation, and SOP standards
- Understand the regulatory, ethical, and documentation framework for laboratory operations

Modules & Topics Covered

- ✓ **Module 1:** Molecular Biology & Nucleic Acid Extraction
- ✓ **Module 2:** PCR and Gel Electrophoresis
- ✓ **Module 3:** Sequencing and Bioinformatics
- ✓ **Module 4:** Cord Blood Handling and Collection
- ✓ **Module 5:** Mock Collections & Kit Management
- ✓ **Module 6:** Cold Chain & Transport Documentation
- ✓ **Module 7:** Laboratory Documentation, QA & Ethics
- ✓ **Module 8:** Sample-to-Sequencer Techniques
- ✓ **Module 9:** Run Monitoring & QC Dashboard

- ✓ **Module 10:** Variant Calling & Troubleshooting
- ✓ **Module 11:** Advanced Sequencing Optimization
- ✓ **Module 12:** Final Assessment, Debrief & Exit

Application & Registration Workflow

1 **Submit Training Inquiry & Eligibility Review**
Fill out the inquiry form on www.fsg-lab.com or email us. FSG will review your CV and academic background. If eligible, you will receive a confirmation and next-step instructions.

2 **DHA Account Setup & Self-Assessment**
Create or log in to your DHA Sheryan account. Use the Self-Assessment Tool and select "Trainee." If marked ineligible, submit additional documents for manual eligibility review.

3 **Initiate DataFlow Verification (PSV)**
Start your Primary Source Verification through DataFlow using your degree and other relevant credentials. Monitor your DHA account until the PSV status turns green and is linked.

4 **Complete "Get Registered" Application**
Begin the DHA trainee registration process. Fill all required sections, upload documents, agree to the terms, and submit the declaration. Once all sections are marked complete, review the form and pay the DHA fee.

5 **Submit DHA Certificate & Pay FSG Fee**
After approval, download your DHA trainee certificate. Submit this to FSG along with proof of payment for the training fee.

6 **Accept FSG Invitation & License Activation**
Log in to the DHA portal to accept FSG's invitation. FSG will then activate your license on the DHA system.

7 **Start Training**
Once your e-license is issued, report to FSG on your confirmed start date to begin training.

Terms & Conditions

Once a training slot is confirmed and invoiced, the fee becomes non-refundable. Attendance, punctuality, and adherence to lab conduct and dress code are mandatory. FSG reserves the right to modify training schedules or venues with prior notice.