



East Zone AMBI Workshop Capillary Electrophoresis and Immunotyping

Suraksha
Clinic & Diagnostics

**Organized in Department of Biochemistry
Suraksha Diagnostics Ltd, Kolkata**

**Premises no. 02, 12/1, 0327, DG Block, Action Area 1D, Newtown, Kolkata, West Bengal,
Pin- 100156**

16 Oct 2025

Organizing chairperson

Dr Neepa Chowdhury
Section Head
Department of Biochemistry & LC-MS
Suraksha Diagnostics Ltd, Kolkata

Organizing Secretary

Dr Sanchayan Sinha
Department of Biochemistry
College of Medicine and Sagore Dutta
Hospital, Kolkata

Workshop Overview

This one-day workshop offers participants a unique opportunity to gain hands-on training in capillary electrophoresis and Immunotyping, covering the principles of capillary electrophoresis, clinical applications of both serum and urine protein electrophoresis and patterns of interpretation. We shall also cover the roles of immunotyping in diagnostics, its indications and interpretations. There will be stepwise immunotyping demonstration and interpretation of electrophoretograms

The program is designed to:

- Strengthen conceptual understanding of Capillary Electrophoresis and Immunotyping.
- Provide practical exposure to cutting-edge laboratory tools.
- Enhance laboratory skills and confidence in interpreting of electrophoretograms .
- Bridge the gap between theoretical knowledge and real-world laboratory practice.

Who Should Attend?

The workshop will be particularly beneficial for postgraduate students, researchers, and faculty members.

Workshop Faculties:

Dr Pinaki Sarkar, Professor, Department of Biochemistry, IPGMER & SSKM Hospital

Dr Neepa Chowdhury, Section Head, Department of Biochemistry & LCMS Suraksha Diagnostics Ltd

Dr Sanchayan Sinha, Department of Biochemistry, College of Medicine and Sagore Dutta Hospital, Kolkata

Dr Anannya Ghosh, Consultant Biochemist, Suraksha Diagnostics Ltd, Kolkata

Program Schedule

Time	Topic	Resource Person
9.30 AM- 10.00 AM	Registration	
10.00 AM-10.15 AM	Welcome address and Inaugural session	
10.30 AM-10.50 AM	Basics of Electrophoresis	Dr Sanchayan Sinha
10.50 AM- 11.20 AM	Principles of Capillary Electrophoresis- evolution from Gel to Capillary	Dr Anannya Ghosh
11.20AM-11.50 AM	Clinical application of Capillary Electrophoresis in serum and Urine Protein Electrophoresis and Pattern Interpretation	Dr Neepta Chowdhury
11.50AM- 12.00 PM	Tea Break	
12.00 PM- 12.30 PM	Immunotyping in Clinical Diagnostics- role, indications and Interpretation	Dr Pinaki Sarkar
12.30 PM-1.30 PM	Live Demonstration of Capillary Electrophoresis run	Dr Neepta Chowdhury Dr Anannya Ghosh Mr Tanmoy Thakur
13.30 PM- 2.15 PM	Lunch Break	
2.15 PM- 3.15 PM	Demonstration workshop: Stepwise Immunotyping Demonstration	Dr Neepta Chowdhury Dr Sanchayan Sinha Mr Tanmoy Thakur
3.15 PM- 3.45 PM	Pitfalls and Challenges in CE & IT- how to avoid misinterpretation	Dr Neepta Chowdhury Mr Tanmoy Thakur
3.45 PM- 4.00 PM	Audience interaction "Spot the abnormality" Quiz	
4.00 PM-4.10 PM	Open House	
4.10 PM- 4.15 PM	Vote of thanks	

Registration fees:
1000/-

The Account details for Registration

Name of the Account: AMBI-WB-CHAPTER

Account Number: 50100624551938

Name of Bank: HDFC Bank

Branch Name: Salt Lake Sector 5

IFSC Code: HDFC0000718