



Houston Forensic Science Center

INTEROFFICE MEMO

To: Charles (Chase) Perkins, M.S., Forensic Scientist – Toxicology Charles (Chase) Perkins
Digitally signed by Charles (Chase) Perkins
Date: 2024.05.21 11:18:10 -05'00'

From: Ashley Ann Johnson, M.S., D-ABFT-FT, Lead Forensic Scientist – Toxicology Ashley Ann Johnson, M.S., MBA, D-ABFT-FT
Digitally signed by Ashley Ann Johnson, M.S., MBA, D-ABFT-FT
Date: 2024.05.21 11:07:00 -05'00'

cc: Cassandra Duvall, M.F.S., D-ABFT-FT, Supervisor – Toxicology
Dayong Lee, Ph.D., F-ABFT, Manager - Toxicology
Quality Division

Date: May 21, 2024

Re: Authorization of Drug Screen by Enzyme-Linked Immunosorbent Assay (ELISA)

This memo authorizes Mr. Perkins to perform drug screening and write test reports for casework in the Toxicology section using the following method:

- Enzyme-Linked Immunosorbent Assay (ELISA)

This is based upon his successful completion of the following under Toxicology Training Manual v4.0:

- 1) Required readings outlined in section 9 of the Training Manual on 03/21/2024;
- 2) Written responses to the study questions Training Manual sections 9.4 (ELISA) and 22.3.4 (Testifying in Court) on 05/02/2024;
- 3) Laboratory exercises completed on 05/02/2024 that included:
 - a. Training batches EIA_20240318B_CRP, EIA_20240325B_CRP, EIA_20240401U_CRP, EIA_20240410B_CRP, EIA_20240423U_CRP, and EIA_20240425B_CRP;
 - b. Observation of 5 ELISA case reports on 04/02/2024 and drafting of 5 case reports on 04/23/2024;
- 4) EIA Testimony Q&A session on 05/03/2024;
- 5) Oral Examination on 05/07/2024; and
- 6) Competency test in batch EIA_20240509B_CRP completed on 05/16/2024.

Mr. Perkins' competency test included analysis of 10 blood samples, 8 fortified with drugs at different concentrations and 2 negative, (consecutively numbered cases 2024-00076 through 2024-00085) in the development JusticeTrax system. For the report writing, requests were labeled as outsourced or insufficient volume to mimic the typical casework situations reports would be written after ELISA analysis. All results were acceptable when compared to the expected results and all requirements for authorization have been met.

Mr. Perkins is authorized to provide opinions and interpretations pertaining to ELISA drug screen analysis.