College of American Pathologists EQAS for Luminex Antibody Test in a Stand-Alone Accredited Indian Laboratory

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Luminex antibody detection, especially Luminex crossmatch is used frequently in India for pre transplant work up for patients with end stage renal disease. This test is often performed in lieu of single antigen bead assay in India due to its lower cost. We report on our experience with College of American Pathologist external proficiency test samples (CAP EQAS) for Luminex antibody detection test. We measured the performance of two laboratories in this test using the CAP EQAS. We considered 12 samples to measure the percentage of agreement and within 20% agreement. The results were compared with the expected results. The performance of both the laboratories was found to be comparable to the expected results. We discuss the possible causes of failure in one of the laboratories...