آغا خان یونیورسٹی ہسپتال، کراچی
The Aga Khan University Hospital, Karachi

Screening for Panel Reactive HLA Antibodies PRA Mix Class I and Class II

Department of Pathology and Laboratory Medicine

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The information contained in this flyer is intended for healthcare professionals.

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What's New

We are introducing a Luminex-based Panel Reactive Antibodies (PRA) assay. Its xMAP® technology enables accurate and sensitive detection of multiple HLA antibodies in a single sample. xMAP® Technology conserves time, reagents, and samples when evaluating multiple targets.

Introduction:

Patients requiring organ transplants may become sensitized to allogeneic human leucocyte antigens through pregnancies, blood transfusions or failed transplants. It becomes a challenge because preformed anti-HLA antibodies are associated with hyperacute rejection and loss of transplanted grafts.
PRA test identifies antibodies to well-characterized panels of purified HLA Class I and Class II antigens coupled to specialized microparticles. The reactions are determined using a fluorescence-based format and employ the Luminex system for analysis. Finally, Matched IT software interprets data and reports results as Positive or Negative for HLA Class I and HLA Class II antibody specificity.

Intent of use:

Screening for panel reactive antibodies in patients before transplantation is essential for a successful outcome. The PRA mixed assay screens for HLA Class I and HLA Class II antibodies in the patient's serum. It accurately assesses an individual's sensitization status and identifies antigens targeted explicitly by those antibodies. Based on this result, further patient and donor matching tests are performed.

Important Note:

- Test results should be interpreted in context of clinical findings, history and other laboratory data.

Specimen Type:

5 ml blood required in gel tube for serum collection.

Principle:

xMAP® Technology's labelled microspheres concurrently capture multiple analytes from a single reaction. A Luminex instrument is utilized to scan each particle and data acquisition.

Charges:

Rs. 37,000/ *Revisions may apply

Schedule:

- Test is performed 1st & 3rd Monday and reported on following Friday.

For more information please call: 021 3486 1620
or Email: laboratory@aku.edu

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