Features & Benefits

- **Easy** – both Class I and Class II tests available
- **Accurate** – HLA antibody detection with purified HLA antigens
- **High sensitivity and reproducibility**
- **Quick** – only four reactions needed for analysis of Class I or Class II antibody profile
- **Specific** – reduces false positive reactions due to non-HLA antibodies and auto antibodies
- **Convenient** – no frozen lymphocyte panels to maintain and no cell viability problems
- **Informative** – can determine percent PRA and identifies individual HLA antibody specificities
- **Comprehensive** – additional bead groups available for rare HLA antigens
- **Flexible** – works with most commercial flow cytometers

Patent Nos. 5,948,627; 6,150,122; 6,514,714

*Fast, accurate, comprehensive identification of HLA Class I or Class II antibodies*

**FlowPRA® Specific**

_Antibody Detection Test_
FlowPRA® Specific HLA Antibody Detection Test

Flow Cytometric Detection of HLA Class I or Class II Antibodies

The FlowPRA® Specific Class I and Class II tests each consist of a panel of 32 beads coated with different purified Class I or Class II antigens. The 32 different antigen beads in each test are divided into four HLA groups with eight antigen beads in each group. Also, a control bead without antigen is added to each panel. A serum sample must be tested separately with each group of beads to complete the 32 antigen bead panel analysis of the HLA Class I or Class II antibodies in that serum.

In the FlowPRA® Specific testing procedure, each group of beads is incubated separately with the test serum, followed by staining with a FITC conjugated anti-human IgG antibody. A positive reaction shows an FL1 channel shift compared to the negative control serum. Each of the eight beads shows a different FL2 channel shift. By analyzing the FL1 versus FL2 dot plots, you can determine HLA specificity.