

# Protein L Leakage ELISA

THROUGH INNOVATIVE **SCIENCE** AND **TECHNOLOGY**



**KRISHGEN** BioSystems

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Determination of leakage levels of **Protein L** in protein L-medium purification of intact immunoglobulin or immunoglobulin fragments (Ig or Ig fragments).



The Protein L Ligand Leakage ELISA kit comes in two versions – the standard kit (10-0027) and the XL kit (10-0028). The XL kit contains five vials of Protein L reference instead of one, and may be used for process adaptation purposes.

## KRISHGEN now offers a Protein L Leakage Estimation Kit

This ELISA-kit has been designed to detect and quantify Protein L in Immunoglobulin (Ig) or Ig-fragment containing solutions. It is a sandwich ELISA with microtiter strips coated with an affinity purified anti-Protein L IgY-antibody.

In this assay, the samples are boiled to separate the Ig/Ig-fragments from the Protein L in the solution, centrifuged, and incubated in the strip wells.

The bound Protein L is then detected by adding a horseradish peroxidase (HRP)-conjugated anti-Protein L IgY antibody.

Substrate is added to induce a color change which is proportional to the amount of bound Protein L from the sample. The color change is quantified spectrophotometrically at 450 nm by using a plate reader.

The amount of protein L in the sample is determined by using a standard curve prepared in a reference sample. The reference sample should have the same concentration of Ig or Ig-fragments and preferably the same buffer composition as the elution samples from the Protein L affinity chromatography medium. However, it should be prepared using another purification strategy, e.g. ion exchange chromatography. Once a reference sample is created it can be aliquoted and used for several different protein L ELISA assays.

**Determination of leakage levels of protein L in protein L-medium purification of intact immunoglobulin or immunoglobulin fragments (Ig or Ig fragments). Some fab samples may require optimization. Currently there is no protocol available for sdab molecules**