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## ELISA IL-10

Tamiris Silva<sup>1</sup><sup>1</sup>Nove de Julho University

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Works for me

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Tamiris Silva



## ABSTRACT

To evaluate the effects of photobiomodulation (PBM) on IL-10 expression in individuals with relapsing-remitting multiple sclerosis, a clinical trial was performed. Participants were randomized and then collected 10 mL of peripheral blood. IL-10 was analyzed by BioLegend ELISA Standard MAX™ kit. This is an enzyme linked immunosorbent assay (ELISA). A human IL-10 specific mouse monoclonal antibody is first coated in a 96-well plate. Standards and samples are added to the wells and IL-10 binds to the immobilized capture antibody. Then, a biotinylated mouse monoclonal IL-10 detection monoclonal antibody is added, producing an "antibody-antigen-antibody sandwich". Horseradish peroxidase avidin is then added, followed by TMB Substrate Solution, producing a blue color in proportion to the concentration of IL-10 present in the sample. Finally, the Stop Solution alters the reaction color from blue to yellow, and the microwell absorbance is read at 450 nm with a microplate reader.

□  
ELISA.docx

## GUIDELINES

The complete list of reagents and plastic can be found in the 'Materials' section.

## MATERIALS

NAME ▾	CATALOG # ▾	VENDOR ▾
PBS pH 7.4		
ELISA MAX™ Standard Sets	430601	
Microwell plates	423501	PENSABIO
Coating Buffer	421701	BioLegend
Wash Buffer		BioLegend
TMB Substrate Solution	421101	BioLegend
Stop Solution		BioLegend
Assay Diluent		BioLegend



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