

Aug 15, 2020

Binding properties of immunoglobulin-binding protein by double immunodiffusion (Ouchterlony) technique.

DOI

<https://dx.doi.org/10.17504/protocols.io.bjsjkncn>

Angel Justiz-Vaillant¹

¹University of the West Indies St. Augustine

University of the West In...

angel.vaillant@sta.uwi.e...



Angel A Justiz-Vaillant

University of the West Indies St. Augustine

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.bjsjkncn>

Protocol Citation: Angel Justiz-Vaillant 2020. Binding properties of immunoglobulin-binding protein by double immunodiffusion (Ouchterlony) technique.. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bjsjkncn>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



Protocol status: Working

We use this protocol and it's working

Created: August 15, 2020

Last Modified: August 15, 2020

Protocol Integer ID: 40491

Keywords: immunoglobulin, double immunodiffusion, binding protein, protein, binding, protein by double immunodiffusion

- 1 The binding of SpLAG, SpLG and SpAG with animal sera, avian IgY, and purified mammalian IgG are investigated by double immunodiffusion.
- 2 Briefly, 1% agarose gels are prepared and wells cut into the gel using a template.
- 3 Initially, aliquots of 25 μ l each of the immunoglobulin-bacterial protein SpLAG, SpLG or SpAG at a concentration of one (1) μ g/ μ l are applied to the centre well.
- 4 The peripheral wells are filled with 25 μ l each of IgY (30 μ g/ μ l) or mammalian IgG or sera.
- 5 The gels are incubated at RT for 48–72 hours.
- 6 After that the gels are examined for precipitin lines.
- 7 Human serum or human IgG are included as positive controls.
- 8 The positive results are taken as the presence of precipitin line/s and negative results, the absence of precipitin lines.
- 9