AUG 15, 2020

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

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OPEN ACCESS

DOI:

dx.doi.org/10.17504/protocols.io.bjsjkncn

Protocol Citation: Angel A 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>

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Protocol status: Working
We use this protocol and it's working

Created: Aug 15, 2020

Last Modified: Aug 15, 2020

PROTOCOL integer ID:
40491

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 μl each of the immunoglobulin-bacterial protein SpLAG, SpLG or SpAG at a concentration of one (1) $\mu\text{g}/\mu\text{l}$ are applied to the centre well.
- 4 The peripheral wells are filled with 25 μl each of IgY (30 $\mu\text{g}/\mu\text{l}$) 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.
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