



Aug 11, 2020

## Purification of anti-anti-SpA antibody (Ab-2) using SpA-bearing Staphylococcus aureus cells.

DOI

[dx.doi.org/10.17504/protocols.io.bjj9kkr6](https://dx.doi.org/10.17504/protocols.io.bjj9kkr6)

Angel A Justiz-Vaillant<sup>1</sup>

<sup>1</sup>University 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.bjj9kkr6>

**Protocol Citation:** Angel A Justiz-Vaillant 2020. Purification of anti-anti-SpA antibody (Ab-2) using SpA-bearing Staphylococcus aureus cells.. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bjj9kkr6>

**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 11, 2020

**Last Modified:** August 11, 2020

**Protocol Integer ID:** 40289

**Keywords:** undiluted wsf of hyperimmune egg, staphylococcus aureus cell, antibody, hyperimmune egg, bearing staphylococcus aureus cell, staphylococcus aureus, purification, using spa

## Disclaimer

### DISCLAIMER – FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK


The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to [protocols.io](https://protocols.io) is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with [protocols.io](https://protocols.io), can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.


## Abstract


**A novel method was designed for the purification of Ab-2 from undiluted WSF of hyperimmune eggs. A total of six preparations were made.**

## Materials

### MATERIALS

 Centrifuge 5424 R refrigerated with Rotor FA-45-24-11 rotary knobs 120 V/50–60 Hz (US) **Eppendorf Catalog #5404000537**

 Eppendorf Safe-Lock Tubes 1.5 mL PCR clean colorless 500 tubes **Eppendorf Catalog #022363212**

 SpA-bearing Staphylococcus aureus cells.

## Troubleshooting



- 1 Mix in an Eppendorf microtube 0.9 ml of undiluted WSF from immunized birds with 25  $\mu$ l of SpA-bearing *Staphylococcus aureus* cells (Sigma-Aldrich).
- 2 Incubate the microtube at 37°C for 30 min.
- 3 After the incubation period, centrifuge the microtube in an Eppendorf 5424 centrifuge for 5 min.
- 4 Observe the microtube that presents a pellet of Ab-1 bound-cells at the bottom ,and the supernatant, where Ab-2 is present.
- 5 Decant the Ab-2 containing supernatant to another tube.
- 6 . Store it at -20°C until further use.