

Hybridoma Core Lab

Location: BloodCenter of Wisconsin Blood Research Institute

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[Learn more about the BloodCenter of Wisconsin Hybridoma Core Lab](#)

Overview

The Hybridoma Core Lab provides services and products related to the production of monoclonal antibodies. Basic procedures include mouse immunization, with immunogen provided by requestor. Subsequent boost and bleeds are done to check antibody titer in the animal. Spleen cells are fused with a non immunoglobulin-secreting mouse myeloma cell line.

The hybridomas are cultured in standard selection medium. These hybridomas are screened by a variety of methods by the requesting lab, or by the Hybridoma Core by ELISA. Up to 10 are cloned by limiting dilution and screened again. Once a stable cell line is produced and its isotype is determined, the core lab can produce ascites in vivo, or use in vitro methods of antibody production.

Cells are frozen at each stage of production and are kept in two locations. Generally, fusions are done with Balb/c mice. The Hybridoma Core lab offers related services as time and demand permits.

Hours: by appointment

Common users of the facility: platelet immunology; platelet molecular biology; hemostasis

Rate: variable per project