

Prospective Study

Prospective Rheumatic Heart Disease & Healthy Control Serum Collection

Targeted serum collection for RHD research completed in approximately two months



Challenge

Rheumatic heart disease (RHD) is a chronic, immune-mediated cardiovascular disease that develops following acute rheumatic fever associated with Group A Streptococcus infection. Recurrent inflammatory episodes can cause progressive and permanent heart-valve damage, making well-characterized patient specimens valuable for studying disease mechanisms and identifying potential biomarkers. The sponsor required serum from a highly defined RHD population with documented Strep A history, prior ARF diagnosis, recent disease activity, and echocardiographic confirmation of Stage C or D RHD. Equally important was the collection of age and sex-matched healthy controls, providing a baseline for distinguishing disease-associated biological signals from normal variation and strengthening comparative research.

Solution



Study enrollment

10-donor serum collection
OUS site



Timeline

Completed within approximately 2 months



Subjects

Age- and sex-matched healthy controls, with highly characterized demographic and clinical data—including vaccination status.



Eligibility framework:

Jones Criteria ARF history, recent ARF episode, WHO stage C/D RHD, immunocompetent

Results

Boca Bio completed the prospective RHD and healthy-control collection within approximately two months—nearly one month faster than anticipated, while meeting the sponsor's highly specific eligibility, matching, and data requirements.

- Prospective serum collection completed in approximately two months
- Nearly one month faster than the anticipated timeline
- RHD cohort screened against detailed clinical and echocardiographic criteria
- Healthy controls matched by age and biological sex
- Highly characterized demographic and clinical data collected and provided, including vaccination status

