



Case study

Coriell Institute for Medical Research using Oragene®•DNA to collect up to 100,000 samples for the pioneering Coriell Personalized Medicine Collaborative®

About the study

The Coriell Institute for Medical Research is an independent, non-profit, biomedical research organization dedicated to understanding human genetic diseases and providing genetic resources from its renowned biobank to researchers worldwide.

The Coriell Personalized Medicine Collaborative® (CPMC) is a long-term research study designed to explore the utility of using personal genome information in health management and clinical decision making. The CPMC also aims to utilize medical history and genetic data to understand why some people are susceptible to a particular disease or respond differently to a certain medication. Participants have the opportunity to learn about their risks for potentially actionable conditions, including heart disease, diabetes, and certain types of cancer, in addition to information about how they process specific medications.

This forward-looking, collaborative effort – involving volunteer study participants, physicians, scientists, ethicists, genetic counselors, pharmacists, and information technology experts – seeks to ultimately enroll 100,000 participants to maximize the power of the research study. Coriell is committed to ensuring that this population of CPMC study participants is demographically representative; historically, the presence of minority populations in medical research studies has been minimal.

Main challenges

In order to maximize the number of study participants, Coriell Institute required an easy, non-invasive and reliable method to collect DNA samples.

The saliva collection takes place at scheduled informed consent sessions at Coriell headquarters in Camden, NJ, as well as through CPMC hospital partners and at offsite locations in communities throughout the region. The process requires volunteers to attend an informed consent presentation, to sign a consent form and then provide a saliva sample. The samples are then stored at ambient temperature until they are analyzed at the Coriell Institute's Genome Center.



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