



OHSU Clinical Genetics Laboratories
Shipping Address: 2525 SW 3rd Avenue, Suite 350
Portland, OR 97201

Phone: (503) 494-5400
Fax: (503) 494-6922

DNA STORAGE

MOLECULAR DIAGNOSTIC CENTER

DNA Storage, offered as a service in the OHSU Molecular Diagnostic Center, is applicable in situations in which a confirmed or suspected genetic condition is evident and the possibility of future testing will be critically dependent on the analysis of specific specimens. This procedure is particularly important in cases where an affected individual may be medically unstable. DNA will be extracted from the submitted specimen and stored for a minimum of ten (10) years. Molecular testing of stored DNA samples may only be performed with the written authorization of the patient or the legal designate. Release of stored DNA for molecular testing at another institution will follow written authorization provided by the patient or the legal designate which specifies the third party testing facility and their address. Laboratory policy for specimen handling, storage, and subsequent release of isolated DNA follow guidelines of the American College of Medical Genetics and adhere to provisions found under the Oregon Genetic Privacy Act.

REASONS FOR REFERRAL

- DNA preparation and storage of specimens from individuals or families interested in molecular analysis at some future date.
- DNA preparation and storage from individuals for whom future sample collection may be problematic.
- Specimen handling and DNA storage in a licensed and accredited CLIA Laboratory.

SPECIMEN HANDLING AND TESTING METHODOLOGY

DNA isolation from submitted specimens will be performed according to accepted protocols as evidenced by the published literature. Quantity and quality of high molecular weight DNA will be assessed spectrophotometrically and reported to the referral source. DNA will be inventoried and stored for a minimum of 10 years in the OHSU Molecular Diagnostic Center in a manner designed to preserve the viability and suitability of the specimen for future medical or diagnostic purposes.

SPECIMEN REQUIREMENTS:

All specimen tubes must be labeled with the patient name and date of birth, and the date of specimen collection.

Peripheral Blood: ACD (yellow-top) or EDTA (purple-top) tubes: *Adult: 16mL*
Child: 6mL

NOTE: Certain specimens other than peripheral blood may be acceptable for processing for DNA Storage. Please call the Lab prior to submitting samples other than blood for information concerning acceptability and shipping / handling instructions.

A requisition form and a specific informed *DNA Storage Consent* form must accompany each specimen sent to the Lab. To receive forms and additional information, please contact the OHSU Molecular Diagnostic Center at (503)494-5400.

TURNAROUND TIME: 2 weeks

CPT CODE: 83891

SHIPPING: Send samples to arrive Monday through Friday ONLY to:
OHSU Molecular Diagnostic Center
Marquam Plaza
2525 SW 3rd Avenue, Suite 350
Portland, OR 97201