

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 11/16/1987  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Dysautonomia, Familial (ELP1), 2 Variants**

ARUP test code 3005882

Fam. Dysautonomia (ELP1), Specimen whole Blood

Fam. Dysautonomia (ELP1), Allele 1 Negative

Fam. Dysautonomia (ELP1), Allele 2 Negative

Fam. Dysautonomia (ELP1), Interp

See Note

Section 79-1 of New York State Civil Rights Law requires informed consent be obtained from patients (or their legal guardians) prior to pursuing genetic testing. These forms must be kept on file by the ordering physician. Consent forms for genetic testing are available at [www.aruplab.com](http://www.aruplab.com). Incidental findings are not reported unless clinically significant but are available upon request.

Indication for testing: Carrier screening or diagnostic testing for familial dysautonomia.

Negative: This sample is negative for the two variants tested in the ELP1 gene. If this is an asymptomatic individual of Ashkenazi Jewish descent, his/her risk of being a carrier of familial dysautonomia is reduced from 1 in 32 to approximately 1 in 3,100.

This result has been reviewed and approved by [REDACTED]

**H=High, L=Low, \*=Abnormal, C=Critical**

**BACKGROUND INFORMATION:** Dysautonomia, Familial (ELP1), 2 Variants  
**CHARACTERISTICS:** Familial dysautonomia is a debilitating disease caused by abnormal development and survival of sensory, sympathetic, and parasympathetic neurons. Symptoms include gastrointestinal dysfunction, vomiting and autonomic crises, recurrent pneumonia, altered sensitivity to pain and temperature, scoliosis, and cardiovascular instability. Other characteristics include infantile hypotonia, deteriorating wide-based ataxic gait, and decreased life expectancy.  
**INCIDENCE:** 1 in 3,600 Ashkenazi Jewish individuals.  
**INHERITANCE:** Autosomal recessive.  
**CAUSE:** ELP1 pathogenic variants.  
**VARIANTS TESTED:** p.R696P (c.2087G>C) and c.2204+6T>C.  
**CLINICAL SENSITIVITY:** 99 percent in Ashkenazi Jewish individuals, unknown in other ethnicities.  
**METHODOLOGY:** Polymerase chain reaction (PCR) and fluorescence monitoring.  
**ANALYTICAL SENSITIVITY AND SPECIFICITY:** 99 percent.  
**LIMITATIONS:** Variants other than p.R696P (c.2087G>C) and c.2204+6T>C will not be detected. Diagnostic errors can occur due to rare sequence variations.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

Counseling and informed consent are recommended for genetic testing. Consent forms are available online.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Fam. Dysautonomia (ELP1), Specimen	22-321-100741	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fam. Dysautonomia (ELP1), Allele 1	22-321-100741	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fam. Dysautonomia (ELP1), Allele 2	22-321-100741	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fam. Dysautonomia (ELP1), Interp	22-321-100741	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical