

**Genetic Diagnostic and Research Laboratory  
Department of Anatomy  
Faculty of Medical Sciences  
University of Sri Jayewardenepura  
Nugegoda.**

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**CONFIDENTIAL MOLECULAR GENETIC LABORATORY REPORT.**

<b>Name of the patient</b>		<b>Age/sex</b>	null/null
<b>Date of collection</b>		<b>Date of reporting,</b>	12/18/15 9:04 PM
<b>Case ref no</b>		<b>Referred By</b>	
<b>add Referred By : HD</b>			

**REPORT ON HUNTINGTONâ€™S DISEASE**

**Methodology:** 10 ml blood was collected from the patient and DNA was extracted from the buffy coat of the EDTA anticoagulated blood. The mutation was characterized by PCR using primers flanking the CAG repeat region and analysed on Gene Scan software.

**Results and counseling:** On analysis the patient showed

	Triplet Repeat Size		
	Allele 1	Allele 2	Normal range
HD	166.66667	-5118.333	11-34

**Comments:**

1. Huntington disease is caused due to expansion of triplet repeats in HD gene.
2. Reference CAG repeat values are,  
Normal Allele: 10-26 CAG repeats  
Intermediate Allele: 27-35 CAG repeats
3. This test detects expansion of triplet repeats in HD gene. Thus a positive test report confirms Huntington disease
4. Advised Genetic Counseling