

## Genetic Testing Consent

Insurance coverage of these tests varies. Should these tests not qualify for coverage, the patient will be responsible for payment

**Quad Screen Testing** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- The incidence of neural tube defects in the United States is:  
General Population: 1.4-1.6 per 1000 deliveries  
Pre-gestational diabetes: 20 per 1000 deliveries
- More than 90% of affected pregnancies have no identifiable risk factor.
- ASAFP will detect 85% of all neural tube defects.
- The incidence of Down syndrome is 1 per 800 live births. MSAFP will detect 60% of cases with a false positive rate of 5%. The detection rate increases with advancing maternal age, but there is also a higher rate of a positive screen.
- Approximate out of pocket costs: \$245.00.

**Cystic Fibrosis Testing** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- Cystic fibrosis is a recessive disorder causing thick mucous secretions in the lungs and bowel.
- Approximate out of pocket costs: \$285.00.
- The incidence of cystic fibrosis is related to race or ethnic group as follows:

Group	Incidence of CF	Detection Rate	Estimated Carrier Risk	
			Before Test	With Negative Test
Ashkenazi Jewish	1/3,300	97%	1/29	1/930
European Caucasian	1/3,300	80%	1/29	1/140
Hispanic American	1/8,464	57%	1/46	1/105
African American	1/16,900	69%	1/65	1/207
Asian American	1/32,400	?	1/90	?

**Tay-Sachs Disease Testing** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- Tay-Sachs is a disease that results in a severe progressive neurologic disease with death in early childhood. The carrier rate is increased in people of Ashkenazi Jewish, French-Canadian and Cajun descent.
- Approximate out of pocket costs: \$275.00.

**Canavan Disease Testing** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- Canavan disease is a severe progressive disease of the central nervous system. The carrier rate in the Ashkenazi Jewish population is approximately 1 in 40.
- Approximate out of pocket costs: \$395.00.

**Hemoglobinopathies Testing** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- These are diseases of the hemoglobin genes such as sickle cell disease and thalassemias. Initiation of screening depends on the patient's ethnic background, medical history, family history, and red blood cell indices. Historically, high-risk groups include people of African American, Southeast Asian, or Mediterranean ancestry. Those at low risk include northern European, Japanese, Inuit, Native American, and Korean descendents.
- Approximate out of pocket costs: Vary depending on tests preformed

**Thyroid Stimulating Hormone** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- Studies linked undiagnosed Hypothyroidism and lower child IQ test scores.
- Approximate out of pocket costs: \$11.00.

**HIV** \_\_\_\_\_ **I request testing** \_\_\_\_\_ **I decline testing**

- HIV is the cause of the most common birth defect in the country.
- You have the right to anonymous testing and also the right to refuse this test.
- Approximate out of pocket costs: \$54.00.

**Cord Blood Banking information provided** \_\_\_\_\_ **Considering** \_\_\_\_\_ **Not considering**

- Cord blood banking is the process of freezing cord blood stem cells for later use in treatment of some serious diseases.
- Approximate out of pocket costs: Vary depending on the cryogenic company used. Office charge for collection only \$250.00

Signature: \_\_\_\_\_ Date: \_\_\_\_\_