

# FREE Testing Program

## Atypical Bile Acid Test

Retrophin is invested in the well-being of patients with Zellweger spectrum disorders and has partnered with Cincinnati Children's Hospital Medical Center to offer a **free laboratory test** that can help determine the level of liver involvement in your child or loved one.

The atypical bile acid test **may not be a routine laboratory test** ordered by your physician. Therefore, you may need to request that your physician order this test in addition to other routine assessments. This test is easy to use and detects the presence of atypical bile acids or "intermediates" which are known to be caused by defects in the peroxisome and are hepatotoxic or harmful to the liver. In this case, those atypical bile acids are known as DHCA/THCA (di- and trihydroxycholestanic acid).

### Liver injury in people with Zellweger spectrum disorders

For people with Zellweger spectrum disorders, **liver injury is almost universal**. It is important to know that the liver will most likely become affected at some point in your child's or loved one's life. Routine monitoring of liver function is necessary to find out the timing and extent of liver injury.

### Highlights:

- Free of charge: Provided at NO COST to patients who qualify
- Results provide to physician in approximately 2 weeks

#### **Criteria for free testing:**

##### **Patients must meet one of the criteria below:**

- Diagnosed Zellweger Spectrum Disorder Patient
  - Severe form, often referred to as Zellweger Syndrome (ZS)
  - Moderate form, often referred to as Neonatal Adrenoleukodystrophy (NALD)
  - Mild form, often referred to as Infantile Refsum Disease (IRD)

**If you are interested in having your child tested, please bring this form to your physician. Your physician can email [medinfo@retrophin.com](mailto:medinfo@retrophin.com) for more program information.**