Postmortem Screening Algorithm

Sudden and unexpected death—autopsy performed

Risk factors present*

Contact Biochemical Genetics Laboratory 800-533-1710

Order PMSBB / Postmortem Screening, Bile and Blood Spots
Collect appropriate specimens

Specimens sent to Mayo Medical Laboratories
- Blood and bile spots on filter paper card
- Urine on filter paper card
- Skin biopsy
- Request newborn screening card be sent to Mayo Medical Laboratories from screening laboratory, when possible
Send or Fax clinical information and autopsy report to Biochemical Genetics Laboratory**

DNA confirmatory testing and biochemical genetic testing of asymptomatic parents and siblings, if appropriate

No additional testing

Specimens collected and sent to Mayo Medical Laboratories
- Blood and bile spots on filter paper card
- Request newborn screening card be sent to Mayo Medical Laboratories from screening laboratory, when possible
- Urine on filter paper card; Store at ambient temperature
Send or Fax clinical information and autopsy report to Biochemical Genetics Laboratory**

NEGATIVE

POSITIVE

No risk factors present*

Order PMSBB / Postmortem Screening, Bile and Blood Spots
Collect appropriate specimens

Specimen collected and held at client site
- Urine on filter paper card; Store at ambient temperature
Send or Fax clinical information and autopsy report to Biochemical Genetics Laboratory**

NEGATIVE

POSITIVE

Sudden and unexpected death—autopsy performed

**Risk factors

- Family history of sudden infant death syndrome (SIDS) or sudden unexplained deaths at any age
- Family history of Reye syndrome
- Maternal complications of pregnancy (acute fatty liver of pregnancy, HELLP syndrome [hemolysis, elevated liver enzymes, and low platelet count])
- Lethargy, vomiting, or fasting in the 48 hours prior to death
- Allegation of child abuse (excluding obvious cases of trauma, physical harm)
- Macroscopic autopsy finding
  - Fatty infiltration of the liver and/or other organs
  - Dilated or hypertrophic cardiomyopathy
  - Autopsy evidence of infection that routinely would NOT represent a life-threatening event

**Biochemical Genetics Laboratory Fax: 1-507-284-9211