

The Cholestech LDX[®] System

Complete Pediatric Lipid Profile

as recommended by pediatric
testing guidelines^{1,2}

Prevention of CVD Begins in Children

The atherosclerotic processes leading to cardiovascular disease (CVD) begin in early childhood. They are influenced by genetic, environmental, and modifiable risk factors. The strongest adult CVD risk factors - dyslipidemia, hypertension, diabetes mellitus, smoking, and obesity - may be

present at a young age. The obesity epidemic has made lipid screening and management in children

*now more important
than ever.¹*

**The #1 CLIA-Waived
Lipid Testing
System**



CHOLESTECH 

The Cholestech LDX[®] System for a Complete Pediatric Lipid Profile



Tests Performed

Lipid Profile

Lipid Profile•GLU

ALT•AST

hs-CRP*

Features and Benefits at a Glance

- CLIA-waived* - no special training required
- Rapid Results (just 5 minutes*) - enables face to face counseling with parent and child
- Fingerstick sampling - less painful and time consuming
- Small sample size (35µL*) - easy to obtain
- Lab accurate - reliable results
- Improved office efficiencies - eliminates costly call backs to labs and patients

Pediatric Lipid Screening Recommendations^{1,2}

Screen children and adolescents with

- Family history of dyslipidemia
- Family history of premature CVD (≤ 55 yr men/ ≤ 65 yr women)
- Family history unknown
- CVD risk factors:
 - Overweight (BMI $\geq 85^{\text{th}}$ percentile, $< 95^{\text{th}}$ percentile)
 - Obese (BMI $\geq 95^{\text{th}}$ percentile)
 - Blood pressure $\geq 95^{\text{th}}$ percentile
 - Cigarette smoking
 - Diabetes mellitus

Testing Per Guidelines^{1,2}

- Fasting lipid profile: total, HDL and LDL cholesterol and triglycerides
- First screening after 2 years of age but no later than age 10
- If no dyslipidemia, retest in 3 to 5 years

Lipid Management¹⁻⁵

- Healthy diet - diet modification in children as young as 12 months
- Therapeutic targets for LDL cholesterol guided by degree of risk
- HDL cholesterol and triglycerides important in overweight and obese children
- Pharmacologic intervention in pediatric patients as young as 8 to 10 years

Pediatric Lipid Testing with the LDX System

- Utilized in pediatric epidemiology and clinical trial research⁶⁻⁸
- 35 µL fingerstick facilitates testing in children as young as 2 years⁸
- LDX System accuracy and reproducibility certified by the CDC's CRMLN** Program (the standard for accuracy on lipid testing)



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* hs-CRP test is not CLIA-Waived, runs in 7 minutes and uses a 50 µL sample.

** The Cholesterol Reference Method Laboratory Network certifies manufacturers of clinical diagnostic products that measure total and HDL cholesterol.

1. American Academy of Pediatrics clinician guidance. Daniels SR et al. Lipid screening and cardiovascular health in childhood. *Pediatrics* 2008;122:198-208.
2. Kavey RE et al. American Heart Association guidelines for primary prevention of atherosclerotic cardiovascular disease beginning in childhood. *Circulation* 2003;107:1562-6.
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5. American Heart Association & American Academy of Pediatrics scientific statement. Kavey RE et al. Cardiovascular risk reduction in high-risk pediatric patients. *Circulation* 2006;114:2710-2738.
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