

**Fairview laboratories now offer lipid panel reflex (BLIPR)**, which allows providers to indicate a reflex for direct assay for LDL cholesterol measurement when the LDL cholesterol cannot be calculated using the Friedewald equation (due to triglycerides greater than 400 mg/dL).

If the lipid panel reflex is ordered, the laboratory will automatically reflex the sample to direct LDL cholesterol when necessary. Results will include cholesterol, triglyceride, HDL and LDL (calculated or direct, depending on the triglyceride level).

The existing lipid panel (BLIP) that will not reflex is still available. Charges for the two lipid panels are the same, except for the additional charge for the direct LDL when reflexed. A direct LDL cholesterol may be ordered individually if required for clinical purposes.

**Fairview Laboratories will be discontinuing the simultaneous measurement of BNP and NT-proBNP for children under age 6.**

With the availability of NT-proBNP and establishment of pediatric reference ranges (see below) for this test, BNP testing will no longer be offered through Fairview laboratories after June 30.

Fairview Laboratories began reporting NT-proBNP with age-specific reference ranges for pediatric patients on June 2. We established our pediatric reference ranges by adapting published age-specific reference ranges reported by Nir A, et al.\* and confirming them using NT-proBNP values obtained from waste blood samples collected from 400 University of Minnesota Medical Center, Fairview and University of Minnesota Amplatz Children's Hospital patients. We excluded patients with cardiac problems and those from intensive care units, dialysis and clinics who would likely have cardiac disorders. The study was conducted between February and September 2008.

**Fairview Clinical Laboratories  
NT-proBNP Pediatric Reference Ranges**

Age	pg/mL
0 - 2 d	0 - 13,000
3 d - 30 d	0 - 6,500
1 mo - <1 yr	0 - 1,000
1 yr - <2 yr	0 - 680
2 yr - <6 yr	0 - 330
6 yr - <18 yr	0 - 240

If you have questions, contact [John Eckfeldt](#), MD, 612-626-3176.

\*Reference: Nir A, et al. NT-Pro-B-type natriuretic peptide in infants and children: Reference values based on combined data from four studies, *Pediatric Cardiology* 2009; 30:3-8, 2009

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