

Newborn Screening Ontario – Biochemistry Laboratory Test Inventory

| TEST NAME | SPECIMEN TYPE | SPECIMEN REQUIREMENTS | ROUTINE TURN-AROUND-TIME | PRICE PER SAMPLE |
|------------------------------------|------------------------------------|--|--------------------------|-------------------------|
| 17OH Progesterone (Plasma) | Plasma | 0.5ml heparin plasma, frozen -20°C | 7 days | \$50 |
| 3-Hydroxyglutaric Acid (Urine) | Urine Random or Dried urine sample | 5ml random urine, frozen -20°C OR 2 spots, DUS | 14 days | \$100 |
| 5 HIAA (24HR Urine) | Urine 24HR | 24-hour urine, 5ml frozen -20°C | 7 days | \$125 |
| 5 HIAA (Random Urine) | Urine Random | 5ml random urine, frozen -20°C | 7 days | \$125 |
| Acylcarnitines (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$200 |
| Acylcarnitines (Plasma) | Plasma | 0.5ml heparin plasma, frozen -20°C | 7 days | \$125 |
| Amino Acids (CSF) | CSF | 1ml CSF, frozen -20°C | 7 days | \$200 |
| Amino Acids (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$200 |
| Amino Acids (Plasma) | Plasma | 1 ml heparin plasma, frozen -20°C | 7 days | \$200 |
| Amino Acids (Random Urine) | Urine Random | 5 ml random urine, frozen -20°C | 7 days | \$200 |
| Biotinidase Activity (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$50 |
| C5DC (Urine) | Urine Random or Dried urine sample | 5ml random urine, frozen -20°C OR 2 spots, DUS | 14 days | \$100 |
| GALT Activity (Whole Blood or DBS) | Whole Blood or DBS | 1 ml whole heparinized blood OR 1 spot, DBS | 7 days | \$50 |
| Hemoglobin (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$50 |
| Organic Acids (Random Urine) | Urine Random | 5 ml random urine, frozen -20°C | 7 days | \$200 |
| Phenylalanine & Tyrosine (Plasma) | Plasma | 1 ml heparin plasma, frozen -20°C | 7 days | \$200 |
| Purines (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$50 |
| S-Sulfocysteine (Random Urine) | Urine Random | 5 ml random urine, frozen -20°C | 30 days | \$200 |
| Steroid Profiling (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$125 |
| Succinylacetone (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$200 |
| TSH (DBS) | Dried blood spot | 1 spot, DBS | 7 days | \$50 |
| VLCAD Enzymology (Whole Blood) | Whole Blood | 2x2 ml EDTA whole blood | 14 days | Contact NSO for pricing |
| VMA & HVA (24hr Urine) | Urine 24HR | 24-hour urine, 5ml frozen -20°C | 7 days | \$125 |
| VMA & HVA (Random Urine) | Urine Random | 5 ml random urine, frozen -20°C | 7 days | \$125 |

Combo Orders

| ORDER | TESTS | SPECIMEN TYPE | SPECIMEN REQUIREMENTS | TAT | PRICE PER SAMPLE |
|---|-------------------------------|------------------------------------|--|---------|------------------|
| Tyrosinemia Type 1 panel (DBS) | Amino Acids & Succinylacetone | Dried blood spot | 1 spot, DBS | 7 days | \$400 |
| Tyrosinemia Type 2 panel (DBS) | Amino Acids | Dried blood spot | 1 spot, DBS | 7 days | \$200 |
| PKU panel (DBS) | Amino Acids | Dried blood spot | 1 spot, DBS | 7 days | \$200 |
| Glutaric aciduria type 1 panel (Random Urine) | C5DC & 3-Hydroxyglutaric Acid | Urine Random or Dried urine sample | 5ml random urine, frozen -20°C OR 2 spots, DUS | 14 days | \$200 |

Prices subject to change.

Date of Last Update: 2021-11-22