

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
Guanidinoacetic acid (DBS)	Dried blood spot	1 spot, DBS	14 days	\$200
Guanidinoacetic acid & creatine (Plasma)	Plasma	1 mL heparin plasma, frozen -20C	7 days	\$200
Guanidinoacetic acid & creatine (Urine)	Random Urine	5 mL random urine, frozen -20C	7 days	\$200
Hemoglobin (DBS)	Dried blood spot	1 spot, DBS	7 days	\$50
Immunoreactive trypsinogen	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
Oxoproline	Urine Random	5 mL random urine, frozen -20C	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
Total Homocysteine	Dried blood spot	1 spot, DBS	7 days	\$125
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: 2024-07-02