

Newborn Screening Ontario – Biochemistry Laboratory Test Inventory

TEST NAME	SPECIMEN TYPE	SPECIMEN REQUIREMENTS	ROUTINE TURN-AROUND-TIME	PRICE PER SAMPLE
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
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
Steroid Profiling (Plasma)	Plasma	0.5ml heparin plasma, frozen at -20c	7 days	\$200
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

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

Prices subject to change.

Date of Last Update: 2026-03-02