
Reporting Title: LSD/X-ALD Newborn Screen, BS**Performing Location:** Rochester**Ordering Guidance:**

Testing performed in the context of newborn screening only. For diagnostic testing or at a clinical biochemical geneticist's discretion, testing may be changed to PLSD / Lysosomal and Peroxisomal Disorders Screen, Blood Spot.

Necessary Information:

Birth weight, time of birth, and gestational age are required.

Specimen Requirements:

Patient must be older than 24 hours and younger than 1 week of age.

Supplies: Card-Blood Spot Collection (Filter Paper) (T493)

Container/Tube:

Preferred: Blood Spot Collection Card

Acceptable: PerkinElmer 226 filter paper, Munktell filter paper, Whatman Protein Saver 903 Paper, local newborn screening card, or blood collected in tubes containing ACD, or EDTA and then spotted and dried on filter paper

Specimen Volume: 2 Blood spots

Collection Instructions:

1. Completely fill at least 2 circles on the filter paper card (approximately 100 microliters blood per circle).
2. Let blood dry on the filter paper at ambient temperature in a horizontal position for a minimum of 3 hours.
3. Do not expose specimen to heat or direct sunlight.
4. Do not stack wet specimens.
5. Keep specimen dry.

Additional Information:

1. For collection instructions, see Blood Spot Collection Instructions
2. For collection instructions in Spanish, see Blood Spot Collection Card-Spanish Instructions (T777)
3. For collection instructions in Chinese, see Blood Spot Collection Card-Chinese Instructions (T800)

Specimen Minimum Volume:

1 Blood spot

Forms:

1. Biochemical Genetics Patient Information (T602)
2. If not ordering electronically, complete, print, and send 1 of the following with the specimen.
 - Biochemical Genetics Test Request (T798)
 - General Test Request (T239)

Specimen Type	Temperature	Time	Special Container
Whole blood	Refrigerated (preferred)	90 days	FILTER PAPER
	Frozen	90 days	FILTER PAPER
	Ambient	28 days	FILTER PAPER

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
LDALD	BG684	Birth Weight (grams, XXXX)	Number	Yes
LDALD	BG685	Time of Birth (24hr Time, XX:XX)	Number	Yes
LDALD	BG686	Gestational Age (weeks, XX.X)	Number	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
38521	LSD/X-ALD Newborn Screen Result	Alphanumeric		85268-1
38520	Reviewed By	Alphanumeric		18771-6
BG684	Birth Weight (grams, XXXX)	Alphanumeric		8339-4
BG685	Time of Birth (24hr Time, XX:XX)	Alphanumeric		57715-5
BG686	Gestational Age (weeks, XX.X)	Alphanumeric		76516-4

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83789

Reference Values:

An interpretive report will be provided.