GENETICS LABORATORIES TEST REQUEST

CYTOGENETICS: TEL: (727) 767-8559 FAX: (727) 767-8514 PAGER: (727) 571-8716 In House: 327

MOLECULAR GENETICS: TEL: (727) 767-8985 FAX: (727) 767-8367 PAGER: (727) 402-0425 In House: 578

BIOCHEMICAL GENETICS: TEL: (727) 767-8689 FAX: (727) 767-8514 PAGER: (727) 516-9442 In House: 463

Patient:	Sex: ❒ M ❒ F	Client Name:
Address:	Ethnic origin:	Address:
City/State/Zip:	Pregnant? ❒ Y ❒ N	City/State/Zip:
Home Phone:	Transfused? ❒ Y ❒ N	Phone: Fax:
Date of Birth: SS#:	Med. Rec.#	Ref. Phys:

CLINICAL INDICATIONS/FAMILY HISTORY (sketch pedigree, if appropriate)

DIAGNOSTIC CODE(S):

Please Check ☑ Test Mnemonic * **Please Inquire: 727-767-8559** ** **Other Family Members Required: Inquire: 727-767-8985**

CYTOGENETICS

KARYOTYPE / CHROMOSOME ANALYSIS

BLOOD: 3cc sodium heparin (green)

CS ❒ Routine Chromosomes
CS ❒ High Resolution (specify chromosome)
CS ❒ Neonatal Chromosomes
❒ Blood ❒ Bone Marrow
❒ Collect STAT ❒ Run STAT
CS ❒ Mosaic Chromosome Study
CS ❒ Breakage Study
❒ Ataxia Telangiectasia
❒ Fanconi Anemia ❒ Other *

SOLID TISSUE: 3x3 mm^2 in Sterile Media

CS ❒ Skin ❒ Autopsy ❒ POC ❒ Other *
❒ Chromosome analysis ❒ Cryopreservation
❒ Send out testing for:_____

CANCER CYTOGENETICS

KARYOTYPE / CHROMOSOME ANALYSIS

BONE MARROW/BLOOD: 3cc sod hep (green)

CS ❒ Bone Marrow Chromosomes
CS ❒ Leukemic Blood Chromosomes

TUMOR: 3x3 mm^2 in Sterile Media

CS ❒ Solid Tumor ❒ Lymphoma

FISH AND CYTOGENETICS

FISH ANALYSIS + KARYOTYPE / CHROMOSOME

BLOOD: 3cc sodium heparin (green)

CS ❒ DiGeorge/VCF Syndrome (22q11.2)
CS ❒ Telomere Panel (sub-telomeres)
CS ❒ X/Y ❒ SRY Sex Determination
CS ❒ FISH microdeletion syndromes (select): 1p36 deletion; Cri du Chat; Kallman; Miller-Dieker; Smith Magenis; Sotos; Steroid Sulfatase; Williams; Wolf-Hirschhorn
CS ❒ FISH aneuploidy: Trisomy 13, 18, 21
CS ❒ Multicolor M-FISH (other FISH enquire*)

CHROMOSOME MICROARRAY ANALYSIS (CMA)

array COMPARATIVE GENOMIC HYBRIDIZATION

BLOOD: 4cc sod hep (green) + 4cc EDTA (lav)

CMA ❒ array CGH

COMBINED CYTOGENET & MOLECULAR

DNA + CHROMOSOME +FISH (except Fragile X)

BLOOD: 3cc sod hep (green) + 3cc EDTA(lav)

ANS ❒ Angelman Syndrome (15q11.2)
FX ❒ Fragile X Syndrome (no FISH)
PW ❒ Prader-Willi Syndrome (15q11.2)

BONE MARROW TRANSPLANTATION

FISH: *BM/BLOOD: 3cc sodium heparin (green)*

CS ❒ Post BMT XX/XY by FISH

DNA: *BM/BLOOD: 0.5cc EDTA (lavender)*

BMD ❒ Donor Specimen
STRPRE ❒ Pre Transplant Recipient
STRPOST ❒ Post Transplant Recipient

DNA, Lineage specific (T-cell,B-cell, Myeloid, NK):

BLOOD: 10 cc ACD (yellow)

STRPOST1❒ Post-Trans, Lineage-specific

MOLECULAR GENETICS

DNA ANALYSIS

BLOOD: 3cc EDTA (lav) (0.5cc minimum - infants)

FGFR3 ❒ Achondroplasia/Hypochondroplasia
TBX19 ❒ Adrenal Insufficiency
AR ❒ Androgen Insensitivity
UBE3A ❒ Angelman Syndrome (sequencing)
ANG ❒ Angelman Syndrome (UPD 15)**
NR0B1 ❒ Adrenal Hypoplasia (aka DAX1)
BTK ❒ Bruton's Agammaglobulinemia
DBANK ❒ DNA Preparation/Banking
DYT1 ❒ Dystonia
FAC5M3 ❒ Factor V Leiden (R506Q mut only)
FLT3 ❒ FMS-related Tyrosine Kinase
ACTHR ❒ Glucocorticoid Def (aka MC2R)
RET ❒ Hirschprung Disease
HUNT ❒ Huntington Disease
FOXE1 ❒ Hypothyroidism, Congenital
PAX8 ❒ Hypothyroidism, Congenital
MBL ❒ Mannan Binding Ligand
MTHFR ❒ Methylene tetrahydrofolate reductase (C677T mut only)
SLC19A2 ❒ Megaloblastic anemia
MEN ❒ Multiple Endocrine Neoplasia, Types 2A, 2B, FMTC

MOLECULAR GENETICS (continued)

DNA ANALYSIS

MTM1 ❒ Myotubular Myopathy, X-linked
PPT1 ❒ Neuronal Ceroid Lipofuscinosis
MC4R ❒ Obesity, Inherited
PAR ❒ Paternity or Zygosity Analysis**
GHR ❒ Pituitary Dwarfism II, Laron Syn.
LHX3 ❒ Pituitary Dwarfism III
LHX4 ❒ Pituitary Short Stature
PROP1 ❒ Pituitary Hormone Deficiency
PIT1 ❒ Pituitary Horm Def (aka POU1F1)
PWD ❒ Prader-Willi Syn (UPD15)**
LHR ❒ Precocious Puberty
PGM ❒ Prothrombin (G20210A mut only)
MECP2 ❒ Rett Syndrome
PITX2 ❒ Rieger Syndrome
CYP19A1❒ Pseudohermaphroditism
HSD17B3❒ Pseudohermaphroditism
RSS ❒ Russell-Silver Syndrome
HESX1 ❒ Septo-optic Dysplasia
SRY ❒ Sex Reversal, gonadal dysgen.
THRB ❒ Thyroid Hormone Resistance
VWF28 ❒ von Willebrand Dis (exon 28)
PARA ❒ Zygosity (Twin) Analysis**
UDNA ❒ Unspecified DNA Analysis**

BIOCHEMICAL GENETICS

BLOOD: 3cc red or green
URINE: 2cc urine (random or 24 hour)
FILTER CARD: 4 spots
CSF: 1cc

AAQCSF ❒ Amino Acids, Quant *CSF*
AAQS ❒ Amino Acids, Quant *BLOOD*
AAQU ❒ Amino Acids, Quant *URINE*
AASCSF ❒ Amino Acid Screen *CSF*
AASS ❒ Amino Acid Screen *BLOOD*
AASU ❒ Amino Acid Screen *URINE*
CARNS ❒ Carnitine, Free & Total *BLOOD*
CARNU ❒ Carnitine, Free & Total *URINE*
MPS ❒ Mucopolysaccharide Scn *URINE*
OASU ❒ Organic Acid Screen *URINE*
PKU ❒ PKU *BLOOD or CARD*
PKUTYR ❒ PKU w/ Tyrosine *BLOOD or CARD*

SPECIMEN COLLECTION: DATE/TIME:_____ DRAWN BY:_____ FORM COMPLETED BY: _____

CLIA ID: 10D0700790
CAP: 153609-01
FLA LIC: L800000135

SHIP TO: Dept. of Pathology and Laboratory Medicine
Clinical Genetic Laboratories, Dept. 7020
All Children's Hospital, 801 Sixth Street South
St. Petersburg, Florida 33701

PATIENT ID

PHYSICIAN SIGNATURE:_____ DATE/TIME:_____