



FISH Analyses

Prices of the tests are in Euro, but can be converted to your local currency with the [currency converter](#).

1. Microdeletion Syndromes

Please send:

- at least 3 ml of heparinised (Na of Li) whole blood,
- or 10 to 20 ml of amniotic fluid,
- or at least 10 mg of chorionic villi.

Syndrome	OMIM	Target	Price in Euro
ALAGILLE, AGS » ARTERIOHEPATIC DYSPLASIA	118450	20p12 deletion	300
ANGELMAN, AS » HAPPY PUPPET SYNDROME	105830	15q11 - q13 deletion	300
BECKWITH-WIEDEMANN, BWS » EXOMPHALOS-MACROGLOSSIA-GIGANTISM SYNDROME	130650	11p15.1 - p15.2 duplication	300
CRI DU CHAT » CAT CRY SYNDROME	123450	5p15.2 deletion	300
DIGEORGE, DGS	188400	10p13 - p14 deletion	300
DIGEORGE, DGS	188400	22q11.2 / 22q13 deletion	300
GONADAL DYSGENESIS » XY FEMALE » SWYER SYNDROME » DELETION SEX-DETERMINING REGION Y, SRY	306100	Yp11.3 / Xp11.1-q11.1 deletion	300
ICHTHYOSIS DUE TO STEROID SULFATASE DEFICIENCY	308100	Xp22.32 deletion	400
KALLMANN, KAL1 » HYPOGONADOTROPIC HYPOGONADISM AND ANOSMIA	308700	Xp22.3 / Xp11.1-q11.1 deletion	300
KALLMANN, KAL2 » HYPOGONADOTROPIC HYPOGONADISM AND ANOSMIA	147950	8p11.2 deletion	300
LANGER-GIEDION, LGS » TRICHO RHINO PHALANGEAL SYNDROME TYPE 2, TRPS2	150230	8q24 deletion	300
MENTAL RETARDATION AND CONGENITAL HEART DEFECT	600576	8p23.1 deletion	300
MENTAL RETARDATION		1p36 deletion	300
NEUROFIBROMATOSIS, TYPE 1, NF1	162200	17q11.2 deletion	300
MICROPHthalmIA WITH LINEAR SKIN DEFECTS » MIDAS SYNDROME	309801	Xp22.3 deletion	300
MILLER-DIEKER, MDLS, MDS » LISSENCEPHALY	247200	17p13.3 deletion	300
PRADER - WILLI, PWS	176270	15q11 - q13 deletion	300
RUBINSTEIN-TAYBI, RSTS » BROAD THUMB-HALLUX SYNDROME	180849	16p13.3 deletion	300
SHORT STATURE, SS	604271	Xpter - p22.32 deletion	300
SMITH-MAGENIS, SMS	182290	17p11.2 / 17p13.3 deletion	300
SOTOS » CEREBRAL GIGANTISM	117550	5q35 deletion	300
TSC2 - PKD1 DELETION		16p13.3 - p13.12 deletion	360
VELOCARDIOFACIAL, VCF » SHPRINTZEN » CATCH22	192430	22q11.2 / 22q13 deletion	300
WAGR » WILMS TUMOR, WT1 » WILMS TUMOR-ANIRIDIA-GENITOURINARY ANOMALIES-MENTAL RETARDATION SYNDROME	194072	11p13 deletion	300
WILLIAMS-BEUREN, WBS » WILLIAMS	194050	7q11.23 / 7q31 deletion	300
WOLF-HIRSCHHORN, WHS	194190	4p16.1 / 4p11-q11 deletion	300
XX MALE » TRANSLOCATION SEX-DETERMINING REGION Y, SRY	278850	Yp11.3 / Xp11.1-q11.1 translocation	300
M-FISH		All Chromosomes	1000
SUBTELOMERIC DELETIONS AND TRANSLOCATIONS		All Telomeres	1000

2. Constitutional Aneuploidies

Please send:

- at least 3 ml of heparinised (Na of Li) whole blood,
- or 10 to 20 ml of amniotic fluid,
- or at least 10 mg of chorionic villi.

Syndrome	Chromosome	Price in Euro
EDWARDS SYNDROME » TRISOMY 18	18	300
DOWN SYNDROME » TRISOMY 21	21	300
PATAU SYNDROME » TRISOMY 13	13	300
SEX-CHROMOSOME ANEUPLOIDIES	X / Y	300
ANEUPLOIDY ASSAY	13, 18, 21, X / Y	500

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3. Leukemias and Lymphomas

Please send:

- at least 3 ml of bone marrow in Na or Li heparine vacutainers containing sterile transport medium (RPMI plus 10% FCS),
- or at least 5 mg of biopsy in a sterile recipient with transport medium (RPMI plus 10% FCS),
- or freshly made, unfixed bone marrow smears,
- or touch slides (for lymphomas, only briefly touch the slide on at least 3 areas, adherent cell clumps should be hardly visible by the eye).

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3.a Deletions

Disease	Deletion	Price in Euro
MYELODYSPLASTIC SYNDROME, MDS	-5 / 5q31	300
MYELODYSPLASTIC SYNDROME, MDS	-7 / 7q31	300
B-CELL CHRONIC LYMPHATIC LEUKEMIA, B-CLL	11q, 13q14.3, 17p13.3	500

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3.b Aneuploidies

Disease	Aneuploidy	Price in Euro
B-CELL CHRONIC LYMPHATIC LEUKEMIA, B-CLL	12	300
MYELOPROLIFERATIVE DISEASE, MPD	X / Y	300

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3.c Translocations

Disease	Chromosome	Gene	Price in Euro
ACUTE LYMPHATIC LEUKEMIA, ALL	t(1;19)	E2A / PBX1	300
ACUTE MYELOID LEUKEMIA, AML	t(8;21)	ETO / AML1	300
ACUTE MYELOID LEUKEMIA, AML	t(10;11)	AF10	300
ACUTE MYELOID LEUKEMIA, AML	t(12;21)	TEL / AML1	300
ACUTE MYELOID LEUKEMIA, AML ACUTE LYMPHATIC LEUKEMIA, ALL	t(?;11)	MLL	300
ACUTE MYELOID LEUKEMIA, AML - M3	t(15;17)	PML / RARA	300
ACUTE MYELOID LEUKEMIA, AML - M3		RARA break apart	300
ACUTE MYELOID LEUKEMIA, AML - M4	inv(16) t(16;16)	CBFB	300
BURKIT LYMPHOMA, BL	t(8;14)	IGH / MYC	300
CHRONIC MYELOID LEUKEMIA, CML ACUTE LYMPHATIC LEUKEMIA, ALL	t(9;22)	BCR / ABL	300
FOLLICULAR LYMPHOMA, FL	t(14;18)	IgH / BCL2	300
NON HODGKIN LYMPHOMA, NHL	t(2;5) or variants	ALK	300
NON HODGKIN LYMPHOMA, NHL		IgH break apart	300

NON HODGKIN LYMPHOMA , NHL	3q27	BCL6	300
NON HODGKIN LYMPHOMA , NHL	t(9;14)	PAX5 / IGH	300
MYELOYDYSPLASTIC SYNDROME, MDS ACUTE MYELOID LEUKEMIA, AML	3q26	EVI1	300
MALT LYMPHOMA	t(11;18) t(14;18)	MALT1	300
MANTLE CELL LYMPHOMA , MCL MULTIPLE MYELOMA , MM	t(11;14)	IgH / CCND1	300
MULTIPLE MYELOMA	t(14;16)	IgH / MAF	300

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3.d Amplifications

Disease	Chromosome	Gene	Price in Euro
HODGKIN LYMPHOMA	2p13 - p12	REL	300

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4. Solid Tumors

Please send :

- 5-10 mg of tumor biopsy in a sterile recipient with transport medium (RPMI plus 10% FCS)
- or freshly made touch slides (only briefly touch the slide on at least 3 areas, adherent cell clumps should be hardly visible by the eye).

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4.a Deletions

Disease	Deletion	Price in Euro
RENAL CELL CARCINOMA NEUROBLASTOMA	3p25	300
RENAL CELL CARCINOMA PHEOCHROMOCYTOMA NEUROBLASTOMA	1p36	300
WILMS TUMOR	11p13	300
NEUROBLASTOMA	11q13	300

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4.b Gains

Disease	Aneuploidy	Price in Euro
NEUROBLASTOMA	17q23 - qter	300

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4.c Translocations

Disease	Chromosome	Gene	Price in Euro
ALVEOLAR RHABDOMYOSARCOMA	t(2;13) t(1;13)	PAX / FKHR	300
MYXOID LIPOSARCOMA	t(12;16)	FUS / CHOP	300
CONGENITAL FIBROSARCOMA	t(12;15)	ETV6 / NTRK3	300
EXTRASKELETAAL MYXOID CHONDROSARCOMA	t(9;22)	EWS / CHN	300
EWING SARCOMA DESMOPLASTIC ROUND CELL TUMOR	t(22;?)	EWSR1	300
SYNOVIAL SARCOMA	t(X;18)	SYT/SSX	300
LIPOMA LEIOMYOMA	12q	HMGIC	300
TERATOMA GERM CELL TUMOR	Iso(12p)		300

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4.d Amplifications

Disease	Chromosome	Gene	Price in Euro
NEUROBLASTOMA	2p24	MYCN	300
MEDULLOBLASTOMA	7p	EGFR	300

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