The Appendix is an integral part of
Certificate of Accreditation No. 1 of 21/11/2013

Accredited entity according to ČSN EN ISO 15189:2007:

Genetika Plzeň, s.r.o.
genetická laboratoř
Parková 1254/11a, 326 00 Plzeň

Examination:

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
816 - Medical Genetics Laboratory			
1	Examination of fetal or peripheral blood karyotype by cytogenetic analysis	SOP 01	Fetal and peripheral blood
2	Examination of amniotic fluid karyotype	SOP 02	Amniotic fluid
4	Detection of Leiden mutation G161A in gene for FV by PCR analysis with restriction fragmentation	SOP 04	Peripheral blood and buccal smear
5	Detection of G20210A mutation in gene for prothrombin by PCR analysis with restriction fragmentation	SOP 05	Peripheral blood and buccal smear
6	Detection of C677T mutation in gene for MTHFR by PCR analysis with restriction fragmentation	SOP 06	Peripheral blood and buccal smear
7	Detection of A1298C mutation in gene for MTHFR by PCR analysis with restriction fragmentation	SOP 07	Peripheral blood and buccal smear
8	Detection of 35delG mutation in gene for Connexin 26 by allele-specific PCR	SOP 08	Peripheral blood, buccal smear, amniotic fluid (native and cultured)
9	Detection of Y chromosome microdeletions by multiplex PCR analysis	SOP 09	Peripheral blood and buccal smear
10	Determination of parentage by STR analysis	SOP 10	Peripheral blood and buccal smear
11	Examination of chromosome aneuploidies, microdeletions and structural changes by fluorescence in-situ hybridization (FISH) method	SOP 11	Peripheral blood, amniotic fluid, aborted tissue, blastomere

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
12	Examination of 13, 18, 21, X and Y chromosome aneuploidies by STR analysis by QF PCR method (Amnio QF PCR)	SOP 12	Peripheral blood, amniotic fluid, aborted tissue, buccal smear, chorionic villi
13	Examination of CFTR gene mutations using Cystis Fibrosis v3 Genotyping Assay set and CFTRdele2, 3 (21 kb) mutation by allele-specific PCR	SOP 13	Peripheral blood, amniotic fluid (native and cultured), buccal smear
14	Detection of coeliac disease predisposition alleles by allele-specific PCR	SOP 14	Peripheral blood, buccal smear
15	Examination of karyotype from chorionic and aborted tissue by cytogenetic analysis	SOP 15	Chorionic villi, aborted tissue
16	Determination of mutations responsible for inherent thrombophilic states by Real Time PCR method	SOP 16	Peripheral blood, buccal smear
17	Examination of FMR1 gene CGG repeat region expansion by Asuragen AmplideX FMR1 PCR Kit	SOP 17	Peripheral blood, buccal smear, chorionic villi, aborted tissue, amniotic fluid (native and cultured)
18	Genomic DNA sequencing by Sanger method (BRCA1, BRCA2)	SOP 18	Peripheral blood, buccal smear, chorionic villi, aborted tissue, amniotic fluid (native and cultured)
19	Examination of CFTR gene mutations by Devyser CFTR Core kit	SOP 19	Peripheral blood, buccal smear, chorionic villi, aborted tissue, amniotic fluid (native and cultured)
20	Reserved		
21	Reserved		
22	Reserved		
23	Reserved		
24	Reserved		
25	Reserved		

Český institut pro akreditaci, o.p.s.
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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
26	Reserved		
27	Reserved		
28	Reserved		
29	Reserved		
30	Reserved		
813 - Allergologic and Immunologic Laboratory			
31	Determination of cardiolipin IgG and IgM antibodies by ELISA method	SOP 31	Serum
32	Determination of Annexin V IgG and IgM antibodies by ELISA method	SOP 32	Serum
33	Determination of beta2-Glykoprotein I IgA and IgG antibodies by ELISA method	SOP 33	Serum
34	Reserved		
35	Reserved		
36	Reserved		
37	Reserved		
38	Detection of anti-spermatozoa antibodies in serum by agglutination method	SOP 38	serum
39	Determination of antizonal antibodies by hemagglutination test	SOP 39	Serum, peritoneal and follicular fluid
40	Reserved		
Laboratory examination for IVF			
3	Examination of spermiogram by microscopic technique	SOP 03	Ejaculate

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