Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

8993

Accredited to ISO 15189:2012

Invitro Genetics Ltd trading as Cooper Genomics

Issue No: 018 **Issue date**: 18 October 2023

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY TISSUE AND FLUIDS	Molecular and Cytogenetics examination activities for the purposes of clinical diagnosis:	Manufacturer's instructions and in-house methods:
Biopsy samples from IVF generated embryos Parental buccal swabs	Copy number assessment for chromosome aneuploidy	Preimplantation Genetic Screening (PGT-A) and (PGT-Complete) using: PicoPLEX® Single Cell WGA kit, whole genome amplification (WGA), Illumina DNA Library preparation and: Thermofisher Qubit 4 fluorimeter Gemini XPS fluorimeter Miniaturization equipment Ilumina NovaSeq 6000 SOP 109 SOP 009 SOP 110 SOP111 SOP113 Analysis: CooperGenomics SM PGTai SM Bioinformatics technology including EmbryoDx pipeline automation

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Biopsy samples from IVF generated embryos Parental buccal swabs	Detection of unbalanced structural chromosomal abnormalities via copy number analysis And Detection of chromosome aneuploidy via copy number analysis.	Preimplantation Genetic Testing for Structural Rearrangements (PGT-SR) and (PGT-Complete) using: PicoPLEX® Single Cell WGA kit WGA and Illumina DNA library preparation and: Thermofisher Qubit 4 fluorimeter Gemini XPS fluorimeter Miniaturization equipment Illumina NovaSeq 6000 SOP 109 SOP 009 SOP110 SOP111 SOP113 Analysis: CooperGenomics SM PGTai SM Bioinformatics technology including EmbryoDx pipeline automation

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Biopsy samples from IVF generated embryos Family buccal swabs	Detection of monogenic (single gene) defects	Preimplantation Genetic Testing (PGT-M) using: PicoPLEX® Single Cell WGA kit or Qiagen MDA REPLI-g Single Cell Kit (multiple displacement amplification), nested PCR, Sanger sequencing, fragment analysis and direct mutation testing (Fragile X)/triplet repeats (MDA only) using: SeqStudio 24 Flex Genetic Analyser SOP009 SOP010 SOP 015 SOP 071 SOP 072 SOP 073 SOP116 SOP117
Biopsy samples from IVF generated embryos Family buccal swabs	Detection of monogenic (single gene) defects	Preimplantation Genetic Testing (PGT-M) using: Illumina NovaSeq 6000 sequencing system, SOP 115 Analysis: CooperGenomics SM PGTai SM Bioinformatics technology including EmbryoDx pipeline automation