NEXTFLEX® Amplicon Panels for Newborn Syndromes and Infertility

Bioo Scientific
a PerkinElmer company

Rafer
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- 100% coverage of exon and flanking intron-exon boundaries
- High uniformity and on-target reads
- Up to 384 unique barcodes allowing for high multiplexing capabilities
- 20 ng DNA isolated from fresh or frozen samples required for detection of germline mutations (Cystic Fibrosis compatible with low input requirement of 2.5 ng)
- Simple and fast protocols reduce time required for library prep
- Fluid workflow and modular design allows quick adoption of multiple panels

The NEXTflex® Amplicon Panels are easily scalable, simple to use, fast, and cost-effective solutions for targeted sequencing. The kits are comprehensive and include primers flanking the regions of interest, library prep reagents, clean-up beads, and barcodes needed for the construction of libraries compatible with Illumina® and Ion Torrent™ sequencing platforms. These performance-verified panels are an important and useful tool for clinical research in the field of newborn syndromes and infertility.

NEXTFLEX® AMPLICON PANELS	GENES COVERED	CATALOG # (8, 48 or 96 reactions available)
Autism Spectrum Disorder	*PDE8B, EN2, NLGN4X, CDKL5, NLGN3, MECP2, RPL10*	NOVA-4264
Congenital Adrenal Hyperplasia	*CYP21A2*	NOVA-4244
Cystic Fibrosis	*CFTR*	NOVA-4231
Duchenne Muscular Dystrophy	*DMD*	NOVA-4256
Lysosomal Storage Disorder	*SUMF1, GLB1, IDUA, ARSB, GUSB, SMPD1, GALC, GALNS, GAA, GLA, IDS*	NOVA-4259
Marfan Syndrome	*FBN1*	NOVA-4257
Nephrotic Syndrome 1	*NPHS1, NPHS2, WT1*	NOVA-4246
Nephrotic Syndrome 2	*ARHGDIA, DGKE, LAMB2, PLCE1*	NOVA-4254
Neuronal Ceroid Lipofuscinoses	*CLN3, CLN5, CLN6, CLN8, CTSD, MFSD8, PPT1, TPP1*	NOVA-4265
Neurofibromatosis	*NF1, NF2*	NOVA-4258
Phenylketonuria	*PAH*	NOVA-4250
Thalassemia (coming soon)	*HBB, HBA1, HBA2*	NOVA-XXXX
Female Infertility	*FSHB, FSHR, LHB, LHCGR*	NOVA-4261
Male Infertility	*AR, CATSPER1, CFTR, FSHR, LHCGR*	NOVA-4262

For more information, please visit www.BiooScientific.com/NewbornSyndromes

For research use only. Not for use in diagnostic procedures.

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Innovación para la vida

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