

# NEXTFLEX® Amplicon Panels for Inherited Syndromes and Conditions

- 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
- Simple and fast protocols reduce time required for library prep
- Fluid workflow and modular design allows quick adoption of multiple panels that can be run on a single cartridge

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 inherited syndromes and conditions.

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

| NEXTFLEX® AMPLICON PANELS  | GENES COVERED                    | CATALOG #<br>(8, 48 or 96 reactions available) |
|----------------------------|----------------------------------|--|
| Cardiovascular Disease     | 24 hotspots                      | NOVA-4255                                      |
| Congenital Hyperinsulinism | <i>ABCC8, GLUD1, KCNJ11, GCK</i> | NOVA-4245                                      |
| Epilepsy 1                 | <i>SCN1A, SCN1B, GABRG2</i>      | NOVA-4235                                      |
| Epilepsy 2                 | <i>SCN2A, SCN9A</i>              | NOVA-4236                                      |
| Impaired Hearing           | <i>GJB2, GJB6</i>                | NOVA-4269                                      |
| MODY Set 1                 | <i>GCK, HNF1A</i>                | NOVA-4232                                      |
| MODY Set 2                 | <i>HNF1B, HNF4A</i>              | NOVA-4233                                      |
| MODY Set 3                 | <i>KLF11, NEUROD1, CEL, PDX1</i> | NOVA-4243                                      |
| MODY Set 4                 | <i>PAX4, INS, BLK</i>            | NOVA-4238                                      |
| MODY Set 5 (Set 1 + Set 2) | <i>GCK, HNF1A, HNF1B, HNF4A</i>  | NOVA-4267                                      |
| Obesity 1                  | <i>LEP, LEPR, MC4R, POMC</i>     | NOVA-4241                                      |
| Obesity 2                  | <i>KSR2, SH2B1, SIM1</i>         | NOVA-4242                                      |
| Mediterranean Fever        | <i>MEFV</i>                      | NOVA-4237                                      |
| Periodic Fever 1           | <i>TNFRSF1A, NLRP3, MVK</i>      | NOVA-4247                                      |
| Periodic Fever 2           | <i>PSTPIP1, LPIN2, ELANE</i>     | NOVA-4253                                      |



[www.rafer.es](http://www.rafer.es)