

 **MYRIAPOD[®]** 
NGS SYSTEM **DRY**

Complexity made easy

diatech
pharmacogenetics



Myriapod[®] NGS Cancer panel DNA & RNA

Myriapod[®] NGS Cancer Panel DNA and Myriapod[®] NGS Cancer Panel RNA are revolutionary Next Generation Sequencing CE-IVD library prep kits for the detection of predictive-diagnostic gene variants in the most frequent cancers: colon, lung, melanoma, central nervous system, GIST, thyroid and bladder, as well as tissue independent markers such as NTRK 1, 2 and 3 gene fusions.

Myriapod[®] NGS Cancer Panel DNA detects SNPs and In/Dels in 16 genes, clinically relevant in the most common cancers. The kit is validated on DNA extracted from FFPE and ctDNA.

Myriapod[®] NGS Cancer Panel RNA detects gene fusions in 10 predictive target genes. The kit is validated on RNA extracted from FFPE tissue.

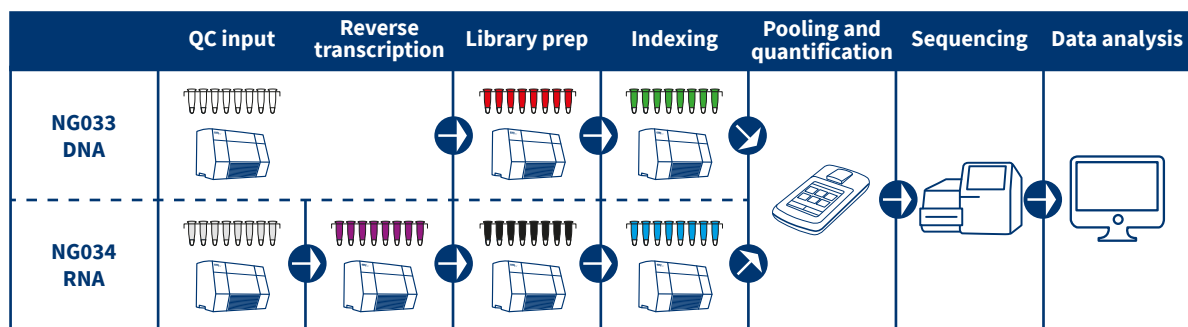
ALK	BRAF	EGFR	ERBB2
FGFR3	HRAS	IDH1	IDH2
KIT	KRAS	MET	NRAS
PDGFRA	PIK3CA	RET	ROS1

ALK	FGFR2	FGFR3	MET EXON 14 SKIPPING
NTRK1	NTRK2	NTRK3	PPARG
RET	ROS1		

NGS analysis has never been so simple and fast

Thanks to the innovative “dry” and ready-to-use reagent format, Myriapod[®] NGS Cancer panel DNA & RNA kits guarantee an extremely simple and fast workflow by reducing dramatically the number of pipetting steps and hands-on time.

- ✓ Dry, ready-to-use, in pre-aliquoted strip reagent format.
- ✓ Hands-on time < 2 hours.
- ✓ From sample-to-sequencing in 8 hours.
- ✓ CE-IVD protocol, from sample-to-result.
- ✓ Data processing with **Myriapod[®] NGS Data Analysis Software**, fully automatic, local and without the need to send out data using clouds or other “online” solutions.



READY TO USE

Reagents delivered in 8-well strips preloaded with a complete master mix



EASY TO USE

No need for freezing, thawing or pipetting on ice and the few remaining pipetting steps minimize the risk of errors or contamination



FLEXIBLE SAMPLE REQUIREMENT

Low DNA or RNA input from a variety of samples, including FFPE and plasma



TURNAROUND TIME

From tissue to result in less than 3 days with <2 hours of hands-on time



AUTOMATIC DATA ANALYSIS

Automatic data analysis system CE IVD and totally on-site



REGULATORY

Kits have been designed, developed and validated in accordance with the Directive 98/79/EC on in vitro diagnostic medical devices



QUALITY ASSURANCE

Manufactured under ISO 13485

All the information needed with maximum flexibility

All information you need in a single assay

All genes and variants included in **Myriapod® NGS Cancer Panel DNA** and **Myriapod NGS Cancer Panel RNA** are in line with internationally approved recommendations for the most commonly used target therapies for colon, melanoma, lung, CNS, GIST, thyroid and bladder cancer. The possibility to test the two panels together in the same sequencing run, dramatically reduces turn-around time, resulting in a shorter time to get patient results.

Maximum flexibility: from 2 to 46 samples/run

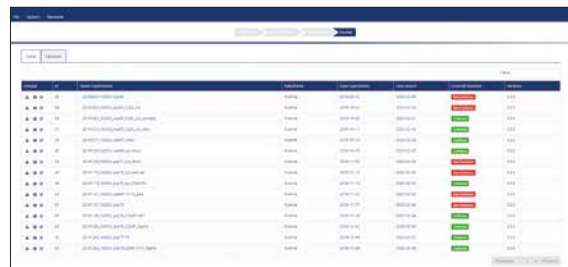
Myriapod® NGS Dry panels are validated for in vitro diagnostic use on Illumina® platforms: **MiSeq™**, **MiniSeq™** and **iSeq100™**.

The high flexibility makes Myriapod® NGS dry panels suitable for large, medium and small routines, ensuring reporting times and usability in line with clinical needs.

Platform	Reagents	Samples / Run (NG033_DNA)	Samples / Run (NG034_RNA)	Samples / Run (NG033_DNA + NG034_RNA)
MiSeq™	MiSeq™ Reagent Kit v2 Nano (300 cycles)	2	10	2 + 2
	MiSeq Reagent Kit v2 Micro (300 cycles) or Myriapod NGS-ILM Consumables Micro	14	46	10 + 10
	MiSeq Reagent Kit v2 (300 cycles) or Myriapod NGS-ILM Consumables	46	46	46 + 46
MiniSeq™	MiniSeq™ MidOutput Kit (300 cycles)	34	46	22 + 22
iSeq100™	iSeq™ 100 i1 Reagent	14	46	10 + 10

Myriapod® NGS data Analysis: the CE-IVD solution for local NGS data analysis

Myriapod® NGS Data Analysis is a complete, in vitro diagnostic and easy-to-use bioinformatics solution, which includes **Myriapod® NGS Data Analysis Software** and its own dedicated workstation. Myriapod NGS solution provides simplicity in NGS data analysis for fast and easy reporting. Further, the data management system offers the highest level of security with a completely localized data analysis. Sensitive data are not sent over the network or to a cloud system. Myriapod NGS Data Analysis solution complies with all the EU General Data Protection Regulations (GDPR).



Code	Product description	Platform	Intended Use
NG033	Myriapod® NGS Cancer panel DNA (48 test)	Illumina	CE IVD
NG034	Myriapod® NGS Cancer panel RNA (48 test)	Illumina	CE IVD
NG900-HD	Myriapod® NGS Workstation	Diatech	CE IVD
NG900-SW	Myriapod® NGS Data Analysis Software	Diatech	CE IVD

For more information please contact:

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