

# Personalised Cancer Medicine Flashcards 2022

## Colorectal Cancer



### Standard

Microsatellite Instability  
study\*  
KRAS, NRAS  
BRAF  
DPD

\* by IHC (MLH1, PMS2, MSH2 and MSH6) or genetic study (BAT25 and BAT26, D2S123, D5S346 and D17S250).

### Recommended

NTRK\*\*  
HER2\*\*\*

\*\* in tumors with microsatellite instability, MIG1 hypermethylation and RAS wild type (IHC + FISH, NGS, RT-PCR, NanoString)  
\*\*\* (IHC or FISH or NGS) en RAS y BRAF WT

### Currently not recommended

Inmunoscore  
CMS classification  
MET  
EGFR  
FGFR  
PI3K

The **Standard** category is based on current treatment indications with approved funding by the Spanish National Health System

The **Recommended** category is based on current recommendations by EMEA and FDA

1. García-Alfonso P, García-Carbonero R, García-Foncillas J, et al. Update of the recommendations for the determination of biomarkers in colorectal carcinoma: National Consensus of the Spanish Society of Medical Oncology and the Spanish Society of Pathology. Clin Transl Oncol. 2020 Nov;22(11):1976-1991. doi: 10.1007/s12094-020-02357-z.
2. Kolenčik D, Shishido SN, Pitule P, et al. Liquid Biopsy in Colorectal Carcinoma: Clinical Applications and Challenges. Cancers (Basel). 2020 May 27;12(6):1376. doi: 10.3390/cancers12061376.
3. Garrido P, Hladun R, de Álava E, et al. Multidisciplinary consensus on optimising the detection of NTRK gene alterations in tumours. Clin Transl Oncol. 2021 Feb 23. doi: 10.1007/s12094-021-0255S-0



Cátedra de  
**Medicina Personalizada de Precisión**

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