

## PRODUCT DESCRIPTION



### *OncoMiD for colon* Ref. 250 OMCULT2

The *OncoMiD* media series for colon comprises standardized, serum-free media intended for the preparation of *in vitro* tumour cell primary cultures from human colon tumour samples.

The *OncoMiD for colon* defined medium (ref. OMCULT2) has been optimized to get, from almost all colon cancer subtype samples, tumour cell cultures within 7 days. During this time lapse, a strong cell mortality is observed, reflecting the selective elimination of stromal cells. Following this, a heterogeneous colon tumour cell primary culture is obtained.

The *OncoMiD for colon* medium works best in combination with: *OncoMiD-Via for colon* (ref. OMVIA2) for tumour sample transport; *OncoMiD-Diss for colon* (ref. OMDIS2) for sample preparation and dissociation.

#### 1. COMPONENTS, STABILITY AND STORAGE

CATALOG REFERENCE	DESCRIPTION	UNIT SIZE	STORAGE CONDITIONS
250 OMCULT2	<i>OncoMiD for colon</i> medium for culture of colon tumour primary cultures	250mL	Product stable at 2-8 °C until expiry date as indicated on label

This product was aseptically manufactured using tightly controlled processes and is sterile-tested.

#### 2. DIRECTIONS FOR USE

**WARNING:** all the technical processes described below have to be performed according to good laboratory practices in regard to chemical hazard. Please refer to product material safety data sheet for information about specific precautions.

Please refer to *OncoMiD-Via for colon* and *OncoMiD-Diss for colon* product description sheets for tumour transport and dissociation steps.

1. After tumour sample dissociation, adjust cell density to desired concentration with appropriate volume of *OncoMiD for colon* medium, and cultivate tumour cells. We recommend placing the culture in humidified incubator at 37°C, 5% CO<sub>2</sub>.
2. Renew medium at least every 5 days, since it is not stable over a longer period of time at 37°C. If a large quantity of cell debris is present at start of culture, renew medium sooner.
3. After 7 days of culture, primary tumour cell culture is established and can be used for any experimental study. Depending on tumour, cells may be kept in culture from 1 week to several months.

**Important:** Please note that *OncoMiD for colon* medium does not contain amphotericin B. It is strongly recommended to add amphotericin B to a final concentration of 2.5µg/mL to avoid fungal contamination of your cultures.

#### 3. REFERENCE

Loum E, Giraud S, Bessette B, Battu S, Mathonnet M, Lautrette C. *Oncogramme, a new individualized tumor response testing method: application to colon cancer*. Cytotechnology. 2010 Oct;62(5):381-8.

Bounaix Morand du Puch C, Nouaille M, Giraud S, Labrunie A, Luce S, Preux PM et al. *Chemotherapy outcome predictive effectiveness by the Oncogramme: pilot trial on stage-IV colorectal cancer*. J Transl Med. 2016; 12;14:10.