# PRACTICE TIPS:
## EDIM® – detailed procedure

**EDIM® technology (Epitope Detection In Monocytes)**

EDIM® is a flow cytometric method for analysing immune cells, especially macrophages, which can be used to detect certain antigens (epitopes). This technology is referred to as an 'immunological biopsy' because an increased occurrence of antigens in macrophages can be associated with diseases. By detecting the Apo10 antigen in macrophages, it is possible to measure apoptosis disorders. The transketolase-like 1 protein (TKTL1) is formed when the cell switches from oxidative phosphorylation to aerobic glycolysis.

## Important, please note:

- The blood sample must **not be refrigerated** and must be received **by express delivery** (**< 24 hours**)!
- Samples are **transported exclusively by biovis' MediCar** during the collection times applicable to your practice. If MediCar does not routinely serve your practice, please call the following telephone number the day before: +**49 (0) 821 4201 -210**
  Please quote the keyword **TKTL1** or **EDIM**.
- Please schedule blood collection only from **Monday to Thursday** and **not before public holidays**!
- Please only use our **special collection and transport kits for shipping**!
- For **chemotherapy or radiotherapy**, an **interval of at least 4 weeks** is recommended! A sufficient number of macrophages must be present in the blood for the measurement.

## Order

You can request the necessary materials using our order form.
You can find it at this link: Order form | biovis Diagnostik MVZ GmbH

Please send it to: bestellung@biovis.de

Do you have any questions? We are happy to answer any queries you may have. **+49 (0) 6431-21248-0**

### DID YOU KNOW?

For all functional and cell-based assays, we recommend using heat packs in winter (similar to the O to O rule), which we will be happy to provide. We advise against using them when the outside temperature is above 15–20 °C, as excessive temperatures can also have a negative effect on the cells.

# Test procedure:

## Blood collection

1. You will need 1 EDTA tube containing 2.6 ml or 3 ml (depending on the blood collection system). Please use the designated test set 918.

2. Now label the tube with a barcode. If you do not have any barcodes to hand, in exceptional cases the tube can be labelled by hand. To do this, write the name and date of birth of the patient, as well as the date and time of collection, on the tube.

## Laboratory request

3. Fill out the corresponding laboratory request form legibly (digitally or in block letters). Note the name, date of birth, and date of collection.

4. **Self-payer or private certificate:** Answer the questions about medical history and therapies. Fill in the declaration and have the patient **sign** the request form.

5. **EBM certificate** (not included in the test set): Specify the indication/ICD code for a targeted diagnosis. List the patient's medical history and treatments. If necessary, add the exception code so that the service is not included in the budget. Example:



**32012** Tumour diseases undergoing parenteral tumour-specific treatment or progressive malignancies undergoing palliative treatment

**32019** Diseases under systemic cytostatic therapy and/or radiotherapy

## Transport

6. First, pack the sample tube in a transport tube and then place it in the **special transport bag** with the corresponding request form.

7. **biovis' MediCar** will only collect samples from listed therapists' practices. If MediCar does not routinely visit your practice, please call the following telephone number the day before: **+49 (0) 821 4201 -210**
Please quote the keyword **TKTL1** or **EDIM**.

**Please do not send on Fridays, weekends, or public holidays.**