

## MoL-DECALCIFIER



**Ready to use solution.**

### 1. Designated uses

Decalcification of sensitive, hard tissue such as e.g. punched iliac crest specimens and keratinized tissue such as e.g. blood vessels.

### 2. Principle

Decalcification methods are necessary for optical microscopic examinations of hard tissue in routine histological procedures. The material to be decalcified is placed in an excess of decalcifying solution and demineralized (decalcified) in this. The decalcification time is dependent on the size and structural density of the respective tissue, while the composition of the decalcifying solution also exerts a decisive influence on the process. When decalcifying sensitive, calcium-containing tissue a solution such as MoL-DECALCIFIER is used, which contains complex- or chelate-forming agents that bind the calcium ions of the tissue. This type of decalcifying solution preserves the antigen structures in the tissue, with the result that immunological and molecular biology procedures can be conducted.

### 3. OPERATE WITH MoL-DECALCIFIER



**Sample material to be decalcified with MoL-DECALCIFIER must be fixed previously.**

Place all the tissue to be decalcified into a vessel (glass or plastic) containing an excess of MoL-DECALCIFIER decalcifying solution and decalcify completely in this solution.

#### 1.3.1. Iliac crest

The decalcification time and the quantity of MoL-DECALCIFIER required are dependent on the size, type, and density of the respective tissue.

A piece of bone 15 x 9 x 2 mm in size, taken from e.g. the iliac crest, is immersed in approx. 50 ml of MoL-DECALCIFIER and has a decalcification time dependent on the temperature.

Please refer to the table below for the decalcification time at temperature.

<b>ILIAC CREST OF 15 x 9 x 2 mm</b>		
<b>TEMPERATURE</b>	<b>TIME</b>	
Ambient (variable)	36-40 hours	
37°C	16-18 hours	
50°C	4-5 hours	

#### 4. Waste disposal



Handle with care and store in a cool dry space using a tightly closed container. Vapors may collect in empty containers. Treat empty containers as hazardous. Waste material should be disposed of in an approved incinerator or in a designated landfill site, in compliance with all federal, provincial and local government regulations.

For further information, please refer to the MSDS (Material Data Safety Sheet).

#### 5. Symbol used



An instruction accompanied by this symbol provides a quite important and require more attention.



Biohazard: be careful when you execute the procedure marked with this symbol: danger of biohazard contamination.



CE logo: this instrument complies to European Community directives.



IVD medical device according to 98/79/EC directive.



Expiration date.



Storage temperature.



Lot number.



Manufacturer.



Production date.

