

ABSTRACT

METHOD OF LOADING A CRYSTALLIZATION DEVICE

The present invention pertains to a method for loading a crystallization device and for manufacturing a crystallization device comprising multiple receptacles with a pre-defined amount of at least one matrix-forming compound capable of forming a crystallization matrix for a membrane protein, said method comprising the following steps: a) Modifying the state of aggregation of said at least one matrix-forming compound to a fluidic state which allows dispensing said at least one matrix-forming compound, and b) dispensing a defined amount of said at least one matrix-forming compound into at least one receptacle of the crystallization device, wherein said dispensed matrix-forming compound solidifies within said receptacle. Thereby, prefilled crystallization devices are obtained which can be used as consumables in particular in automated crystallization processes. Also provided are protein crystallization methods using respectively prepared crystallization devices.

Figure 1a