Claims

1. Method for continuous ultrafiltration of a feed stream containing biopharmaceutical and biological macromolecular products in the unit for continuous ultrafiltration, characterized in that the feed stream is washed with a washing fluid via at least one capillary ultrafiltration membrane of a capillary ultrafiltration module, in that the feed stream is conveyed into the capillary and the washing fluid is conveyed over the outside of the capillary, in that the feed stream and the washing fluid are continuously fed into the ultrafiltration module, and is continuously removed from the ultrafiltration module, in that the feed stream and the washing fluid is not circulated into the ultrafiltration module and the removal of the product stream (comprising the retentate) is regulated such that no undesired net flows can pass from the capillary interior to the capillary exterior or vice versa and wherein the ultrafiltration module is bubble freeon both the feed side and the jacket side via a priming procedure in which both the feed side and the jacket side are flushed with buffer solution until no more gas bubbles escape from the dialysis module.

2. Method according to Claim 1, characterized in that in the unit for continuous ultrafiltration the product in the feed stream is at most concentrated by a factor of 2 or diluted by a factor of 2.

3. Method according to Claim 1 or 2, characterized in that the washing fluid is passed in cross-current or countercurrent, preferably in countercurrent, to the feed stream.

4. Method according to any one of Claims 1 to 3, characterized in that several capillary ultrafiltration modules in series or in parallel and the maximum pressure drop over the membranes of the capillary ultrafiltration modules does not exceed 1 bar.