



MELiSSA Pilot Plant



Document Identification : COO3 – WP94.6 – Test Protocol for ramp-up of compartment 1	Type	Chrono	Issue	Page : 1 / 17
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Universitat Autònoma
de Barcelona

TECHNICAL NOTE 94.61

Call Off Order 3 – COMPARTMENT I Additional Characterization

Work Package 94.6

Test Protocol – Ramp-up phase

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APPROVAL

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1. Scope

In the frame of Call Off Order 3, the objective of this document is to summarize the protocol to follow in order to grow the inoculum of compartment 1 up to 100L in the bioreactor and reach the adequate dry weight of 55 g/L to 75 g/L before starting the 10 days hydraulic residence time.

As this growth had to be carried out after the loss of the C1 inoculum, and that an MPP operating procedure was rewritten for that same purpose, it was agreed with ESA to only provide said operating procedure MPP-OP-10-1004 in appendix of the present protocol, for implementation.

The recovery of the lost inoculum is envisaged in two steps : first in the Influent Tank that will be prepared for the semi continuous culture of the recovered inoculum, and once the maximum volume is reached in the Influent Tank, a second semi continuous culture will be started in C1 Bioreactor.

2. Appendix :

MPP-OP-10-1004(0), 13 pages