

Accepted Manuscript

Title: Integrated microreactor for enzymatic reaction automation: an easy step toward the quality control of monoclonal antibodies.

Authors: Yoann Ladner, Silvia Mas, Gaelle Coussot, Killian Bartley, Jérôme Montels, Jacques Morel, Catherine Perrin



PII: S0021-9673(17)31588-1
DOI: <https://doi.org/10.1016/j.chroma.2017.10.066>
Reference: CHROMA 358971

To appear in: *Journal of Chromatography A*

Received date: 10-7-2017
Revised date: 23-10-2017
Accepted date: 26-10-2017

Please cite this article as: Yoann Ladner, Silvia Mas, Gaelle Coussot, Killian Bartley, Jérôme Montels, Jacques Morel, Catherine Perrin, Integrated microreactor for enzymatic reaction automation: an easy step toward the quality control of monoclonal antibodies., *Journal of Chromatography A* <https://doi.org/10.1016/j.chroma.2017.10.066>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Research paper**Integrated microreactor for enzymatic reaction automation: an easy step toward the quality control of monoclonal antibodies.**

Yoann Ladner^a, Silvia Mas^a, Gaele Coussot^a, Killian Bartley^a, Jérôme Montels^a, Jacques Morel^b, Catherine Perrin^{a,*}

(a) Institut des Biomolécules Max Mousseron-IBMM, Centre National de la Recherche Scientifique, Université de Montpellier, Unité Mixte de Recherche 5247, Faculté de Pharmacie, F-34093, Montpellier cedex 5, France.

(b) Département de Rhumatologie, Université de Montpellier, Hôpital Lapeyronie, 34295, Montpellier cedex 5, France

**Corresponding author: catherine.perrin@umontpellier.fr*

Research highlights

- Optimization of a nano-enzymatic reactor for in-line digestion of monoclonal antibodies.
- Optimization of electrophoretic separation of monoclonal antibody digests.
- Comparison of off-line and in-line mAbs digest profiles

Download English Version:

<https://daneshyari.com/en/article/7609446>

Download Persian Version:

<https://daneshyari.com/article/7609446>

[Daneshyari.com](https://daneshyari.com)