

# New function on the **STABILIS**® database: Level of evidence for stability studies of anticancer drugs



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#### Introduction

No information about the quality of publications on the Stabilis® database

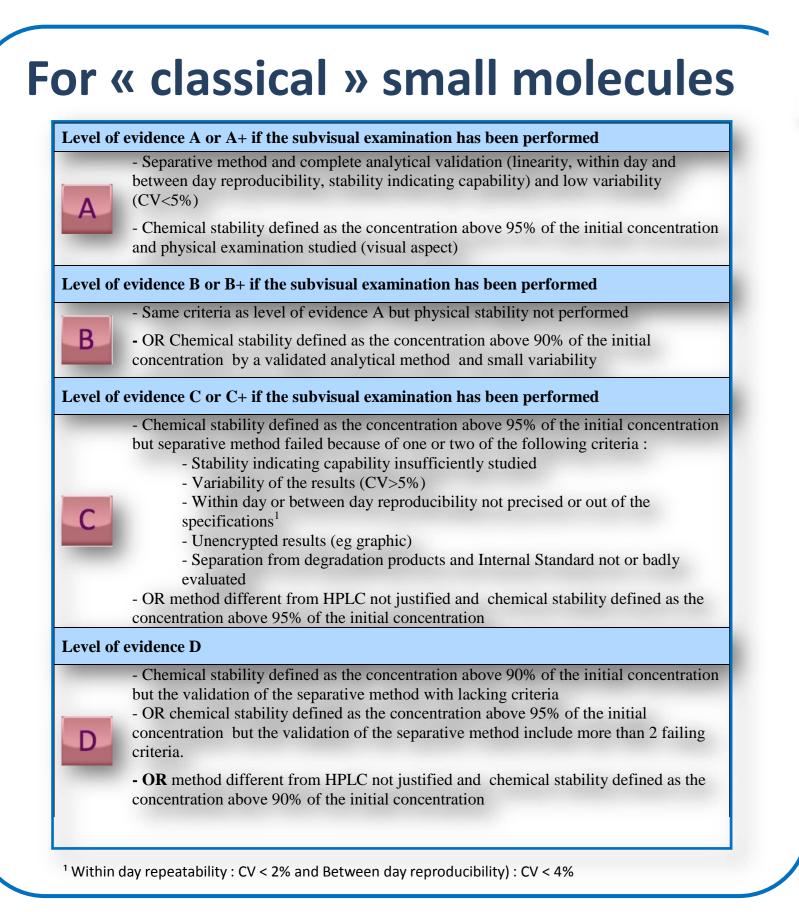
#### Objective

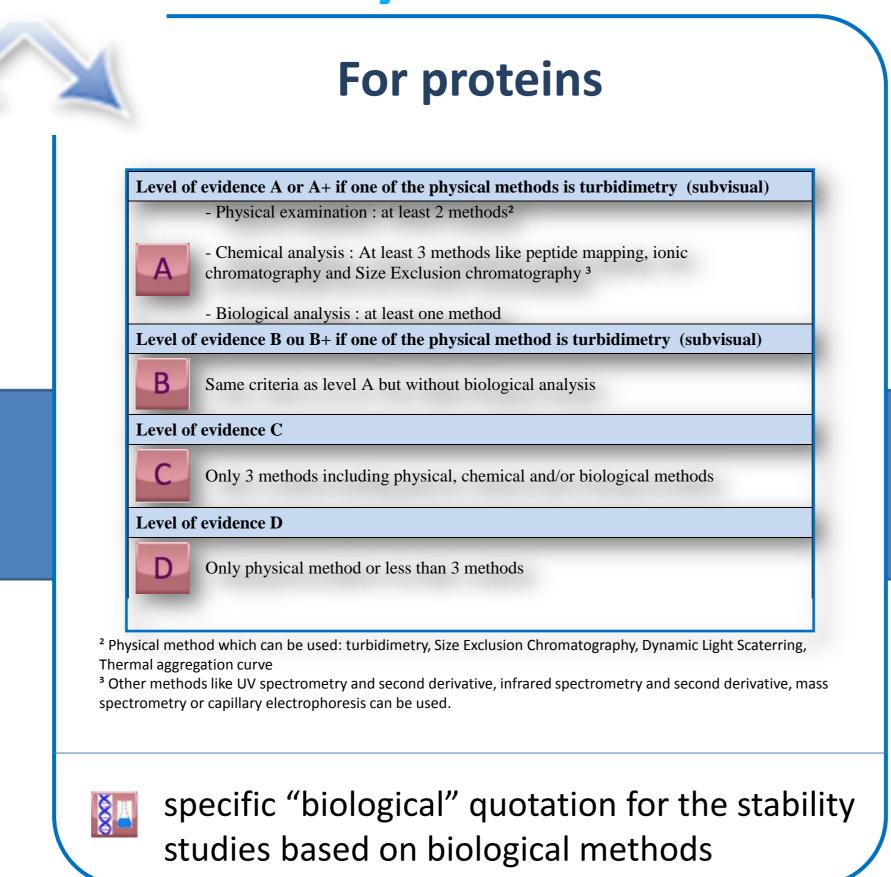
Create a quotation system to provide the level of evidence of the stability studies of injectable anticancer drugs



### Material & Method

#### **Construction of 2 evaluation systems**





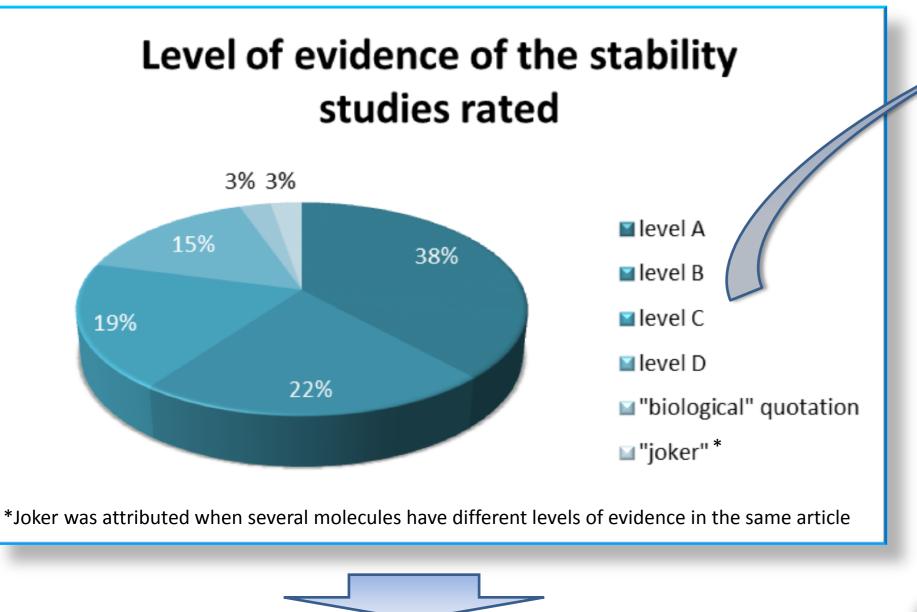
- ✓ Analysis according with these criteria
- ✓ Quotation: Level of evidence proposed for each stability study (compatibility studies excluded)
- ✓ **Design** of **pictograms** and **screens** for users of the Stabilis® database
- ✓ Entering data

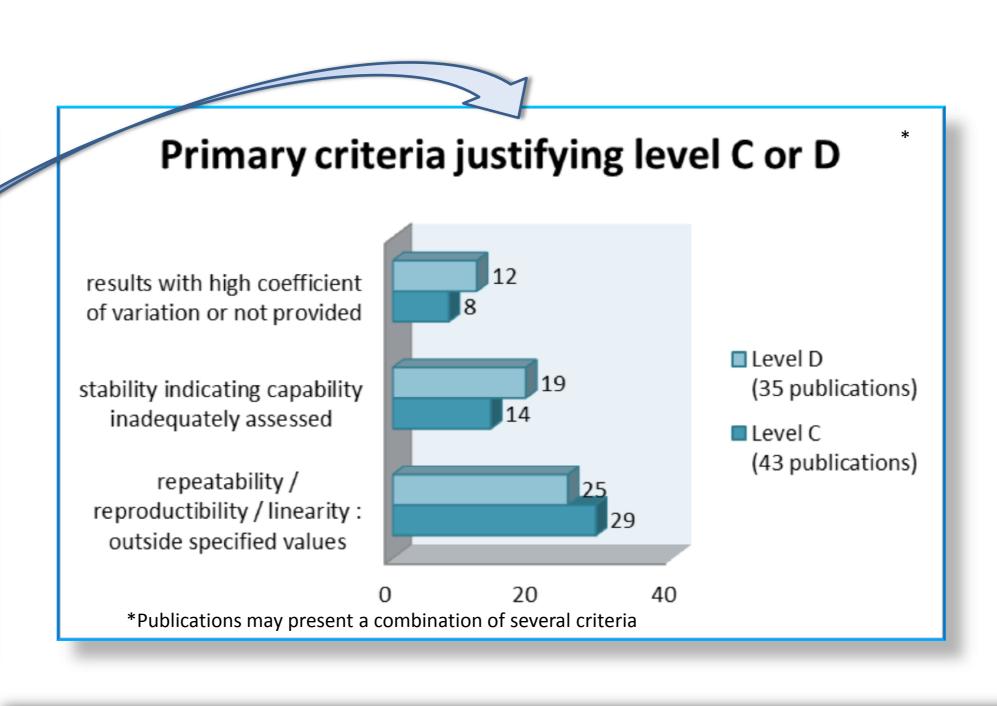


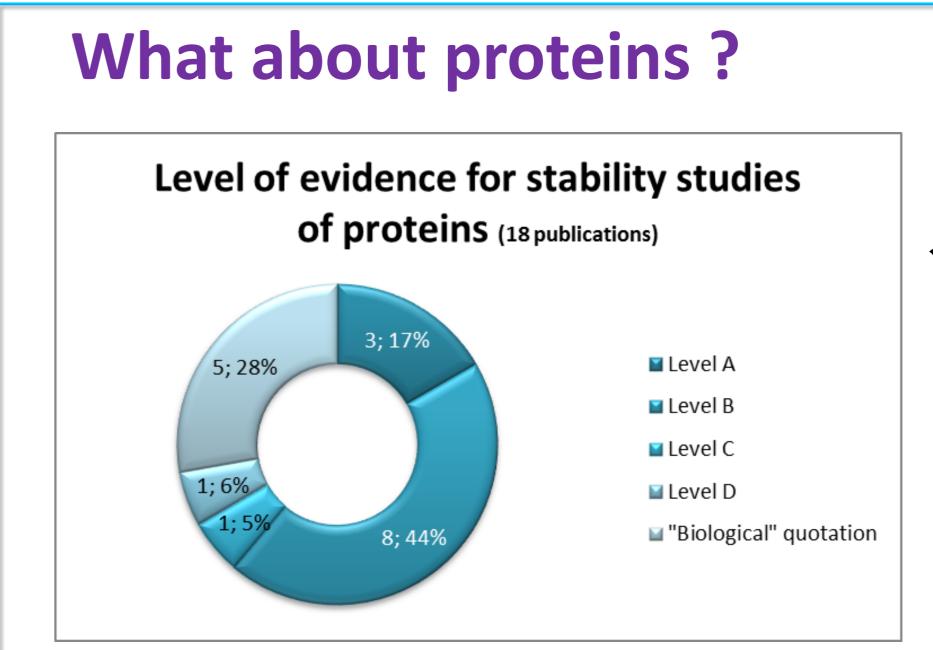
Updating the website

#### Results & Discussion

## 196 publications analyzed

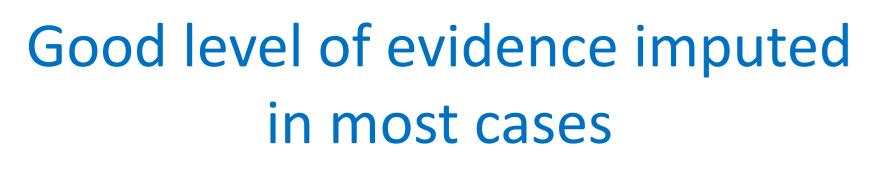




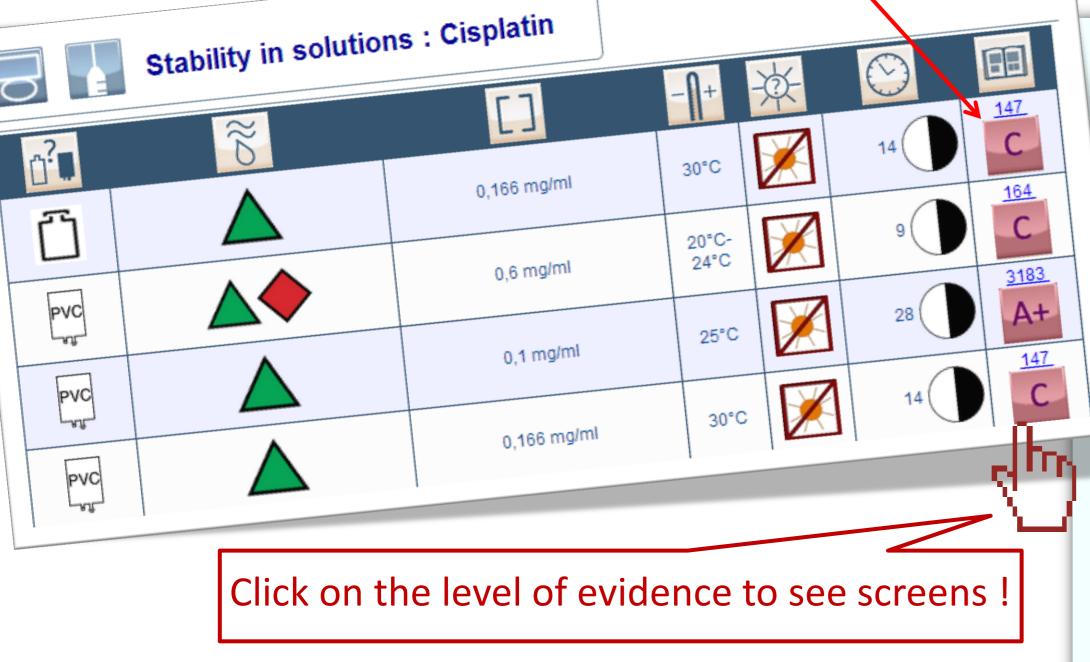


✓ Few studies (18 publications)

✓ But good level of evidence



Level of evidence appears for each study



Physical stability:

Chemical stability:

Stability indicating capability inadequately assessed

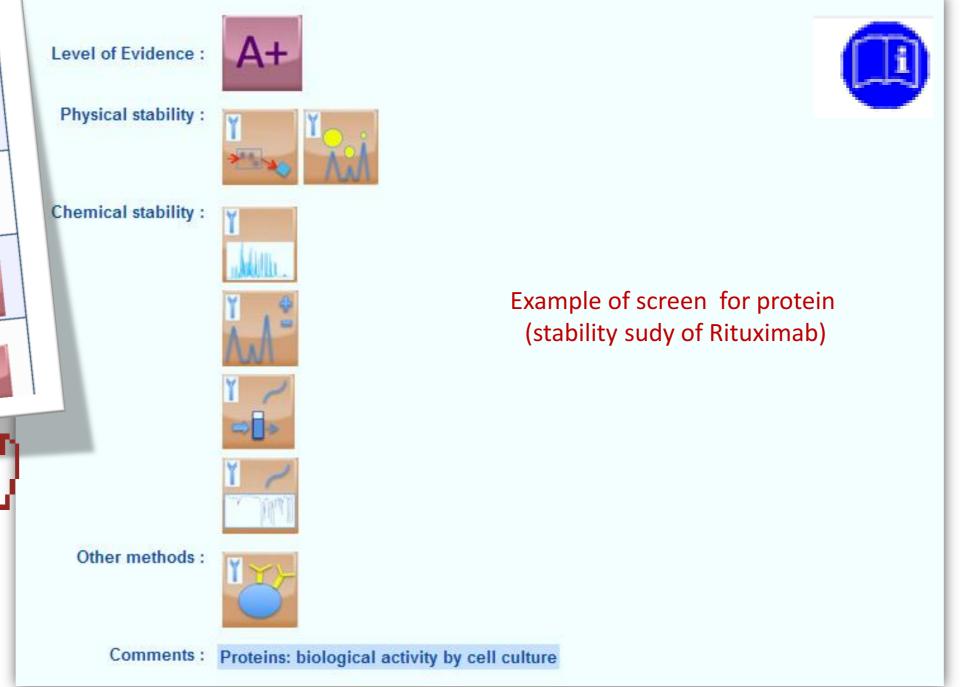
Repeatability / reproducibility / standard range: results not provided or results outside specified values

No comments for the degradation products

Level of Evidence:

Physical stability:

Physical stability:



User's guide available online by clicking on the « blue book »

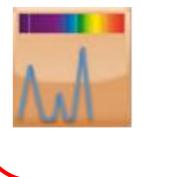
Screen with analytical methods used by the authors available

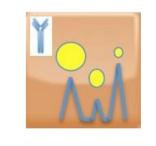
Some commentaries to precise or justify the level of evidence proposed

25 standardized commentaries, translated into 26 languages

25 Standardized Commentaries, translated into 26 language

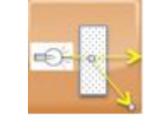
Informations given by 42 new pictograms specially designed to keep the "spirit" of Stabilis®













- ✓ International recommendations
- ✓ Training ("Masterclass")
- ✓ Quotation system on Stabilis ®

PROMOTE & IMPROVE stability studies

#### Conclusion

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- > Level of evidence = indicator of the quality of publications
- Quotation system will help users of the Stabilis® database and could help to realise more complete stability studies
  - Next step = the analysis of the articles of stability studies of injectable antibiotics!