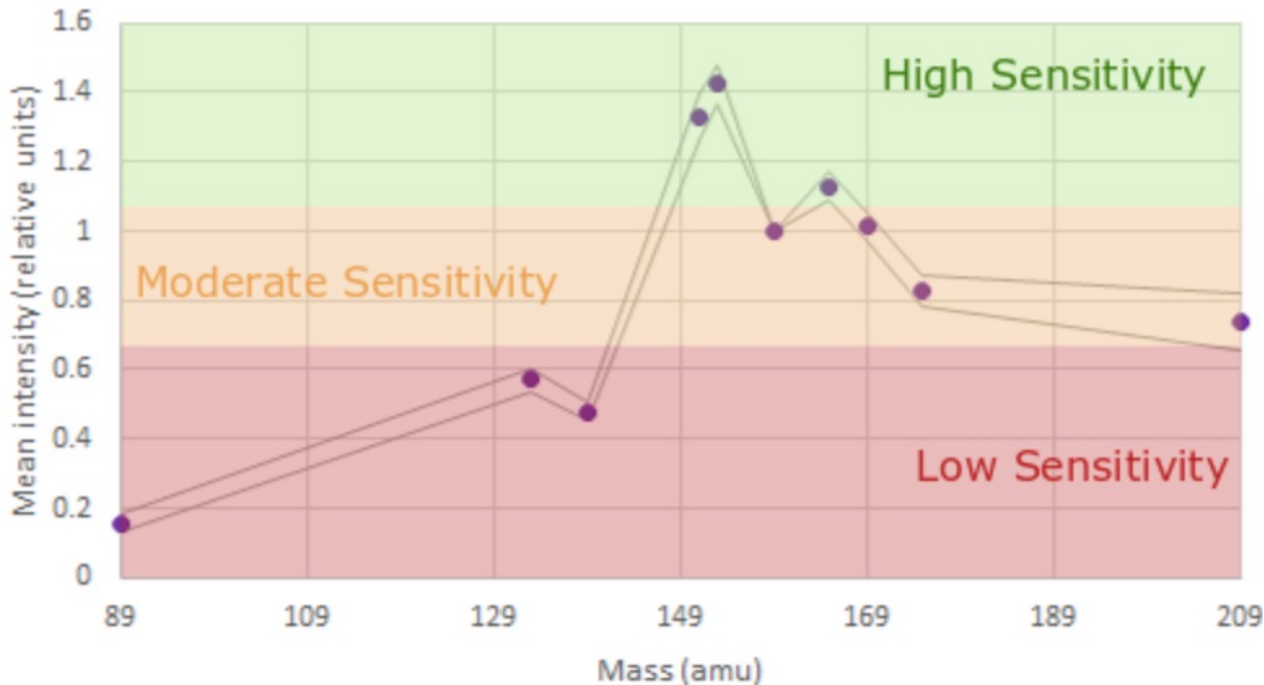


# CyTOF Panel Design Considerations

If barcoding to be used – pick those tags first

- Can use CisPt 194, 195, 196 and 198 for  $4c2=6$  codes
  - ✓ Precludes use of natural abundance CisPt for viability
  - ✓ Consider DCED-natPd instead



## The 2 basic rules of panel design

DO	DON'T
Measure your most important markers in the most sensitive channels	Place markers that appear on the same cell in neighbouring (or interacting) channels

## Major 167Er Spill into 168Er - Isotopic Impurity &/or +1

NKp46 (9900/165Ho1)\_CD24 (720/167Er1) Abs Titration\_WT Spleen\_2015\_10\_21

CD24-167Er spill into 168Er (+1 and/or Isotopic Impurity) is unacceptably high – should leave 166Er channel empty to use CD24-167Er

