

BEBPA'S 

HALLOWEEN HORRORS



**Assays that have scared
and scarred you!**

Frozen in Time: The Curse of Eternal Cell Passage

Who: Morgane Gesquière, Senior Scientist in the UCB Pharma Biological Method Development team

Assay Type: Binding Cell-Based Animal-Assay Other
(Please fill in)

Tell us what happened:

The longer cells are maintained in culture, the more the assay signal decreases, making it difficult to obtain consistent results between tests. To address this, ready-to-use (RtU) cells were introduced. Cell banks were established with higher cell concentrations per vial, enabling direct thawing on the day of the assay. This approach ensures the same passage is used for each test, simplifies the assay by eliminating the need for cell culture, reduces variability between experiments, and provides greater flexibility in scheduling your testing.

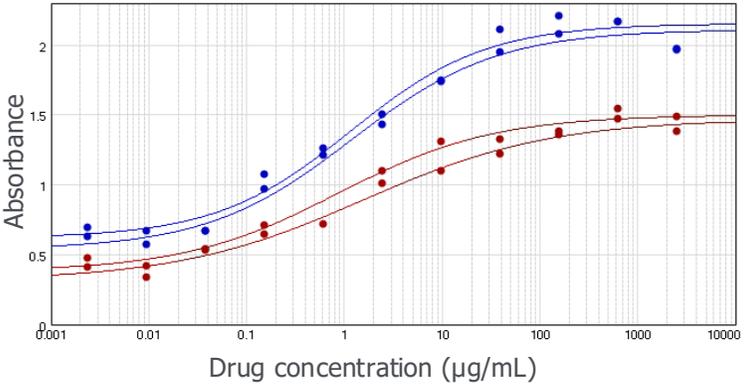


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Routine cell culture: 1 cell vial is thawed, then amplified for at least 1 week before being used in the assay
Cells are kept in culture and passage twice a week on average



The more cells were kept in culture over time the more the signal dropped



RtU (Ready to Use cells): 1 cell vial is thawed, and directly used in the assay

