**Online Data Real-Time Decisions**

**PROCESS CONTROL LIMITATIONS**

DO and pH monitor the process conditions and are not directly related to cell physiology.

Offline sampling is time consuming and only provides a reactionary window into the past.

Errors of offline analytics may lead to wrong decisions.

**ONLINE VIABLE CELL DENSITY MONITORING**

Continuous data without manual intervention.

Incyte enables online measurement of viable cell density based on permittivity.

Improved process insight.

**PERMITTIVITY CORRELATES WITH:**

- Viable cell counts
- OD/dry and wet weight

**SUMMARY**

Online measurement of viable cell density provides:

- Better process insight
- Reduced work
- Reduced risk of contamination
- Less errors
- Early detection of process deviations

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