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Title

**High Throughput High Content Screening Compared with Single Readout HTSs -
Lessons Learned to Date**

Abstract

Over the past couple of years we have run several screening campaigns in parallel through high content assays (both imaging and mRNA detection) and single readout HTSs. The resulting analysis of the screening hits and their confirmation in downstream assays has provided information as to the value of this two pronged approach. Specific examples from high content imaging and mRNA profiling will be discussed with an emphasis on hit calling, follow up strategies for direct and “black box” hits, and where the leads have come from.