

stuntman

AI Developability Workcell



UNCHAINED
LABS

Meet the AI Developability Workcell

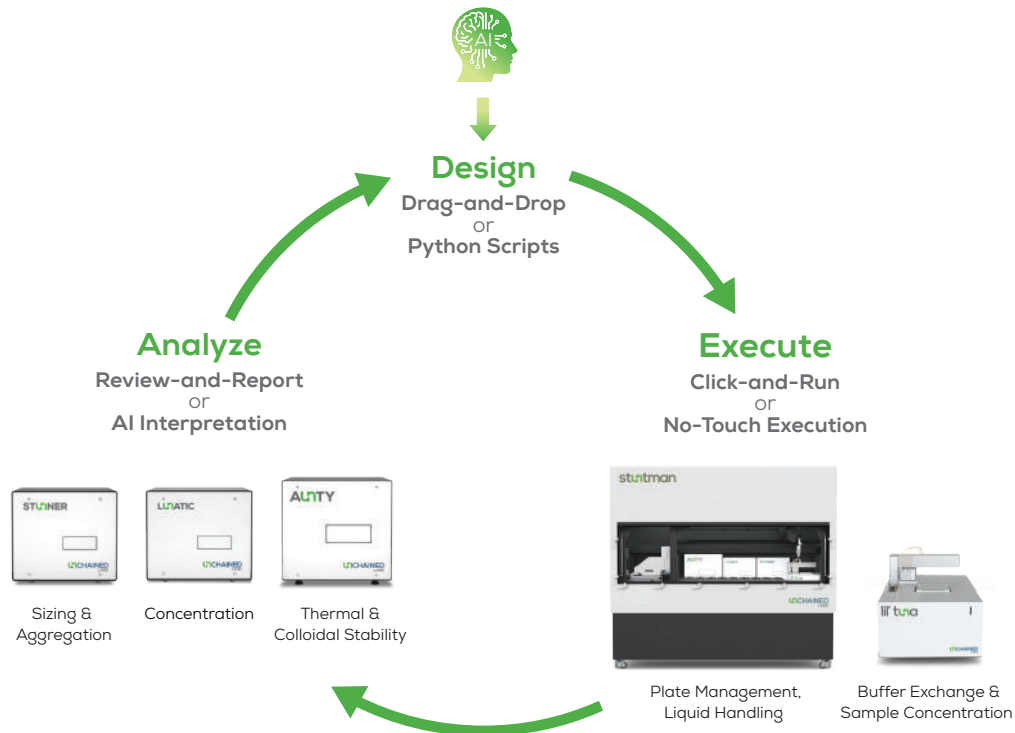
Figuring out whether a biologic has what it takes to become a safe, stable and manufacturable drug means shuffling tons of samples between instruments, piecing together results and deciding which candidates should move forward. The AI Developability Workcell puts sample prep tools and purpose-built analytics on Stuntman's modular deck to rapidly screen for key developability markers so you zero in on your winners faster and move the best candidates on into formulation development – all in one workflow. Stuntman's native AI can bring results from across the workcell into one place, making it easy to see which candidates rise to the top. No more juggling instruments, manual handoffs or stitching data together – so teams spend less time managing the workflow and more time moving programs forward.

- AI-driven developability screening
- Quantification, sizing, aggregation
- Thermal & colloidal stability
- Buffer exchange & concentration
- Additional integrations



Up the ante with AI

Built and tested on Stuntman, our AI turns your natural-language prompts into executable scripts that can drive a developability workflow from start to finish. It helps plan experiments, interpret results, and guide how things progress – so instead of teams manually cross-referencing data from multiple instruments, the workcell is already setting up the next screen. Generate entire workflows through AI, an intuitive drag-and-drop interface or dive into Python with full API access. Conditions, steps, and data points are logged in open, structured formats for effortless sharing and analysis.



Find winners faster

The AI Developability Workcell brings the tools you need to characterize and screen biologics on one Stuntman deck. Lil' Tuna exchanges buffers and concentrates samples to get them ready for screening. Stunner measures concentration, size, polydispersity and aggregation while Aunty assesses thermal and colloidal stability to see how they hold up when stressed. When you're ready to go deeper, add on integrated analytics or on-deck stability or stress testing capabilities to explore formulation conditions. Screen, select, and advance the best samples in one AI-driven experiment.



We love plates

The AI Developability Workcell serves up results by the plateful. Plate-based tools keep samples moving efficiently from buffer exchange to characterization, while microvolume measurements get boatloads of data from way less material. Run more conditions, use less sample and get more screening done with every run.



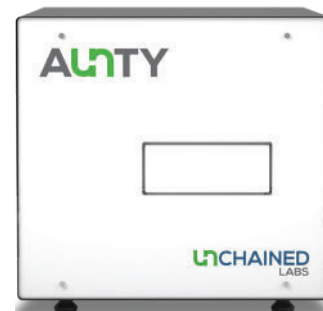
- Buffer exchange, sample concentration
- 100 μ L-8 mL
- 1-3 hr/plate



- Concentration
- 2 μ L sample
- 10 min/plate



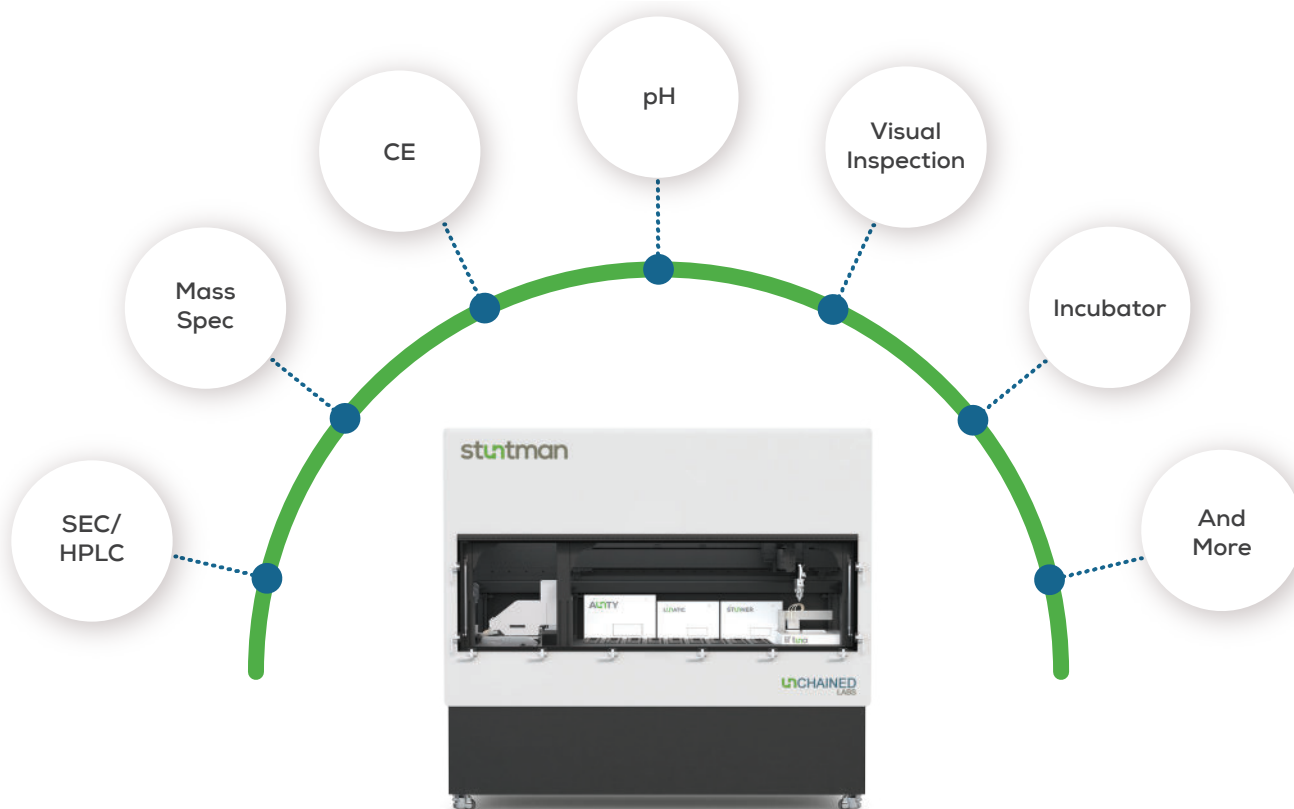
- Concentration, size, DAR, PDI, aggregation
- 2 μ L sample
- 1 hr/plate



- T_m , T_{agg} , T_{size} , B_{22} , G_{22} , k_D
- 8 μ L sample
- 2 hr/plate

Add it on

The AI Developability Workcell is ready to run on day one, but it doesn't have to stop there. Add high-throughput pH measurements and visual inspection to flag stability issues early. Bring in stress testing with heat, agitation, freeze/thaw or dilution. Tack on incubation or other sample-prep steps or connect off-deck analytics when your workflow calls for them. Whatever the trick, Stuntman's built to play well with others so you can take your workcell to the next level.





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Rev A