



NGS Success Starts Before the Sequencer – Here’s Why

In Next Generation Sequencing (NGS), the success of your workflow is decided even **before** the sequencer is ever powered on.

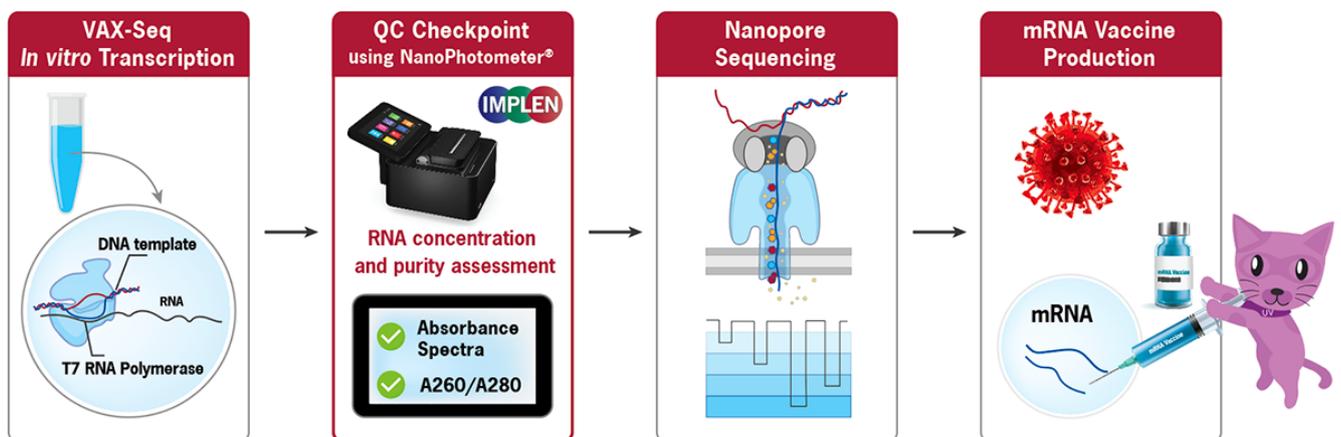
Hidden problems — like inaccurate quantification, protein contamination, or RNA/DNA degradation — can ruin an entire run, waste valuable samples, and require costly repeats.

The solution? **Upstream QC using the Implen NanoPhotometer®.**

With just one instrument, you can:

- **Accurately quantify** DNA, RNA, and protein in seconds
- **Detect hidden contaminants** (phenol, proteins, residual buffers) via full UV-Vis spectra
- **Verify sample purity** with precise A260/A280 and A260/A230 ratios
- Work confidently with **precious, low-volume samples** — no dilutions needed

As an example, Gunter *et al.*, 2023 have shown that a critical **upstream QC** step for VAX-seq was performed using the Implen NanoPhotometer® N120 - for *in vitro* mRNA quantification and sample purity verification.



Our latest **Workflow Insights: NGS Edition** shows how adding the NanoPhotometer® at key QC checkpoints can protect your results, save money, and prevent costly reruns.

Don't let small errors invalidate your workflow. Click the link below with the full *Workflow Insights PDF* to see how easy it is to prevent them.

[View the Full *Workflow Insights PDF*](#)

Implen Products Available Through Your Local Partner



Implen products are available through INEL- medicinska tehnika d.o.o., your local partner for high-quality lab instrumentation.

If you have questions, need a demo, or want to learn how Implen solutions can improve your lab's workflow, feel free to reach out — we're here to help!

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