Biotechnology

Pipeline cloud cost checklist

From the field note “Your pipeline cloud bill went up again. What does one accepted sample cost?”.

The short version

- ◇ A rising cloud bill is not a cost model. Measure cost per accepted sample, including failures, storage, transfer and platform fees.
- ◇ Read what Seqera and your cloud provider already report, and know what each number leaves out, before building anything.
- ◇ Right-size from task traces with the scientific owner, then prove the accepted outputs still match.
- ◇ Build only the gap: run attribution, a ledger that joins cost to accepted outputs, alerts and a runbook.

The checklist

- [ ] Pick one approved pipeline, one project and a fixed reference workload.
- [ ] Tag compute and storage with run and project, and activate the tags.
- [ ] Compare platform estimates with billed cost, including storage and transfer.
- [ ] Report cost per accepted sample, not per job or submitted sample.
- [ ] Split turnaround into queue time, run time and review time.
- [ ] Right-size from traces, with retry caps and output comparison.
- [ ] Set lifecycle rules for work directories after acceptance.
- [ ] Alert on cost per accepted sample and name who responds.

Want a second pair of eyes on your answers?

Book a free 30-minute discovery call at www.seriustech.com/contact or email contact@seriustech.com. We reply within 1 business day.

Read the full note with examples and sources at www.seriustech.com/blog/biotech-pipeline-cloud-cost. © SeriusTech.