

Biotechnology

Scientific AI review pilot checklist

From the field note "Your AI research summary cites real reports. Does it say what they say?".

The short version

- ◇ A working citation does not prove the claim. Review the exact source version, passage and table context.
- ◇ Start with one document task and an approved collection, and keep interpretation with a qualified reviewer.
- ◇ Count wrong values, missing qualifications and unsupported conclusions separately. A fluent summary can fail all three.
- ◇ Measure the full effort to reach an accepted output, including false alarms and missed errors, before expanding.

The checklist

- ☐ Name one document task, intended use and scientific reviewer.
- ☐ Approve source versions, permissions and retention rules.
- ☐ Link claims to passages or table cells with their context.
- ☐ Separate exact mismatches, interpretation concerns and missing evidence.
- ☐ Evaluate unseen examples and report misses by error class.
- ☐ Compare complete review effort and accepted output quality.
- ☐ Test denied access, changed sources, failures and manual fallback.

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-ai-evidence-review. © SeriusTech.