

# AI Vendor Checklist

Generative AI, Large Language Models (LLMs) and other AI tools are fast becoming a key part of the life sciences toolbox. However, like any new tool, it's vital to critically assess where it can be the most use to your company and partner with vendors who will deliver the strongest AI tools that fit seamlessly into your teams' work.

## ☐ VENDOR EXPERTISE

- ☐ Demonstrable expertise in AI in regulated life science environments
- ☐ Strong background in life sciences
- ☐ Transparent roadmap for AI development and updates
- ☐ Proven delivery of functional, real-world use cases (not just prototypes)

## ☐ DETERMINE YOUR BUSINESS NEEDS

- ☐ Map your existing processes, tools and needs to define your pain points
- ☐ Determine your requirements
- ☐ Understand where AI can augment, not replace, your team
- ☐ Prefer vendors with pre-configured, high-value use cases
- ☐ Avoid tools that solve interesting problems - but not your problems

## ☐ EVALUATE USE CASES - For each use case, consider:

- ☐ Does it address a real, validated need?
- ☐ Was it developed with customer input, not just generic AI hype?
- ☐ Can it be used in your current workflow, or will you have to make process changes?
- ☐ Does it demonstrate a measurable ROI (e.g. time saved, reduced errors)?
- ☐ Will it create any additional work, such as review steps? Include these when you quantify ROI

## ☐ CHECK INTEGRATION AND DEPLOYMENT FIT

- ☐ Verify that the AI integrates seamlessly into your existing systems
- ☐ Select deployment that aligns with your IT policies: on-premise, cloud, or hybrid
- ☐ Ensure the system can scale across geographies, products, and teams

## ☐ PROTECT DATA AND PRIVACY

- ☐ Match deployment security to the sensitivity of your data
- ☐ Ensure your data is never used to train public or shared AI models
- ☐ Require strong encryption, access control, and data isolation
- ☐ Confirm availability of secure on-premise deployment where needed
- ☐ For EU companies: verify compliance with the EU AI Act (2024)

## ☐ LOOK FOR RESPONSIBLE AI

- ☐ Require clear labelling of all AI-generated outputs
- ☐ Ensure human review and approval are built into every AI-enabled process
- ☐ Favor tools that offer confidence scores, explanations, or rationales for decisions
- ☐ Avoid “black box” AI - ask how the system works and how outputs are validated
- ☐ Confirm the vendor follows ethical AI development standards and validation protocols

## Summary

The best AI doesn't just check technical boxes—it fits your workflow, respects your data, and solves real problems without creating new ones. Use this checklist to cut through the noise and align your selection with what truly matters: trust, transparency, and tangible value for your team.

➤ More than 450 Life Sciences companies around the world  
are powered by **Ennov**