

**Table 1. Key Differences Between Existing Tools and HYMQET**

<b>Feature</b>	<b>Existing Tools (AMSTAR 2, ROBIS, PRISMA)</b>	<b>High Yield Med Quality Evaluation Tool (HYMQET)</b>
<b>Primary Focus</b>	Retrospective evaluation of what was reported in the final manuscript.	Prospective/Contemporaneous evaluation of how the review was executed (the workflow/process).
<b>Scoring Mechanism</b>	Primarily qualitative ratings (e.g., "Critically Low Confidence") or checklists.	Quantitative 5-point Likert scale applied to each of the five workflow domains.
<b>Automation/AI</b>	Not designed to assess AI-powered systems or required transparency checkpoints.	Built-in checkpoints to ensure transparency and fidelity of automation at critical stages (e.g., screening and extraction).
<b>Benchmarking</b>	Limited due to qualitative, non-standardised scoring (hard to compare one review to another).	Provides quantitative benchmarking potential (e.g., non-inferiority margin testing) through domain-level scoring.
<b>Applicability</b>	Focused on human-led reviews.	Flexible for human-, AI-, or hybrid-generated reviews.