



JAGGAER Research Material Management Bioreagent Collaboration with CiteAb



Data Accelerating Science – JAGGAER’s collaboration with CiteAb brings Autonomous Procurement to researchers, who can acquire the right biological reagents with cost and time savings and compliance

The Bioreagent Selection Issue

Globally, the increasing majority of Life science researchers rely on bioreagents to target critical priorities ranging from cancer diagnosis to food security. Bioreagents for research are an immense and diverse product category that includes Antibodies, Proteins, Biochemicals, Experimental Models, Kits, and other sub-categories. Antibodies alone represent over 6 million products from more than 250 suppliers – a billion dollar market annually.

Unlike chemicals, bioreagent composition and packaging vary widely for the same named reagent – and those variances, especially in naturally-derived samples, directly impact apparent results and, even when a reagent appears successful, the reproducibility of experimental results. The related risks of false positives, false negatives and non-reproducible results, due to use of unfit reagents, are critical issue for research programs. Literally months of work and millions of dollars can be spent following promising results that ultimately prove unreliable. The financial, opportunity and reputational costs are significant.

For researchers, this risk puts tremendous pressure on reagent selection decisions. For example, a single search in a typical eProcurement

marketplace for a “Pax 2” antibody is likely to return 1000 or more results, the majority of which represent completely different products intended for different applications. Navigating that list to find the right product for a specific intended use can be a nearly intractable problem, made even more challenging by the complex supply chain relationships in which bioreagents are sold.

CiteAb – Data Accelerating Science

CiteAb has applied innovative data collection, curation, and search technology to solve this problem. CiteAb’s innovative data collection technology applies proprietary text mining technology and extensive human curation to identify and classify life science reagent information from scientific publications and supplier-provided content.

CiteAb’s proprietary search ranks products by citation count, for simple and unbiased prioritization. Reagents are classified, and may be filtered, by parameters relevant to each reagent type. Product pages offer key details for evaluation. Images from publications are cropped to highlight relevant details. Citation references can be filtered, and most offer links to full text. including validation information and published images

CiteAb's advanced capabilities directly address challenges of reagent selection, but with CiteAb alone, sourcing and procurement remain an issue. CiteAb's supplier coverage is comprehensive, but can point to many smaller, rarely used suppliers with high processing costs and unknown lead times. Links to supplier product pages, while convenient, can circumvent procurement processes and controls, including checks on purchase of hazardous or regulated materials.

The JAGGAER RMM – CiteAb Partnership

JAGGAER and CiteAb partnered to couple CiteAb's scientific capabilities with purchasing and regulatory compliance via JAGGAER Research Material Management (RMM), the industry-leading solution for acquiring and managing inventory of commercial reagents and lab supplies used in research.

In the integrated solution, a researcher in JAGGAER RMM can launch a CiteAb session to research and identify products of interest, adding each to a "Shopping List". When ready, the researcher sends their Shopping list back to RMM, which applies proprietary match and scoring rules to JAGGAER's catalog content, with client-specific pricing and supplier preferences, including LivePrice and real-time product availability from participating suppliers, to find the exact products the researcher selected.

Where available, RMM will identify preferred supplier resellers who offer reduced purchase and processing costs and predictable delivery. When no match is available, RMM will assist the user in creating a non-catalog item that goes through proper review and processing channels.

Search for the Products on CiteAb, Procure it from preferred Suppliers in JAGGAER RMM and save on average 10-20% Spend on Research Materials

Key Features

- Improved reproducibility of research results and reduced risk to research programs
- Fully streamlined and compliant sourcing and acquisition of the right bioreagents, saving time and cost for both researchers and purchasing
- Completely anonymous searching – the individual and organization are unknown to CiteAb, so your organization's search interests and history can't be tracked or sold
- Unbiased Product selection: researcher will never be influenced by sponsored results or favorable product placement
- No hidden costs
- Reduced purchase and processing costs and opportunity to maximize preferred supplier relationships, demonstrated to save 10-20% annually on reagent spend
- Extensible supplier network with easy price / product comparison - you control the buying experience

Future Directions

The JAGGAER-CiteAb partnership for bioreagent search and acquisition is the cornerstone of a new Bioreagents module of RMM, the first product to bring the comprehensive cradle-to-grave approach RMM has established for chemicals and lab supplies to commercial bioreagents.

Capabilities will include:

- Extended bioreagent material and inventory data model with automated capture of high-quality curated data from CiteAb, covering a broad range of bioreagent types
- Matching of CiteAb results extended to inventory and other sources
- New operations and features specific to bioreagent inventory
- JAGGAER supplier network enhancement to simplify and reduce costs of purchasing

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