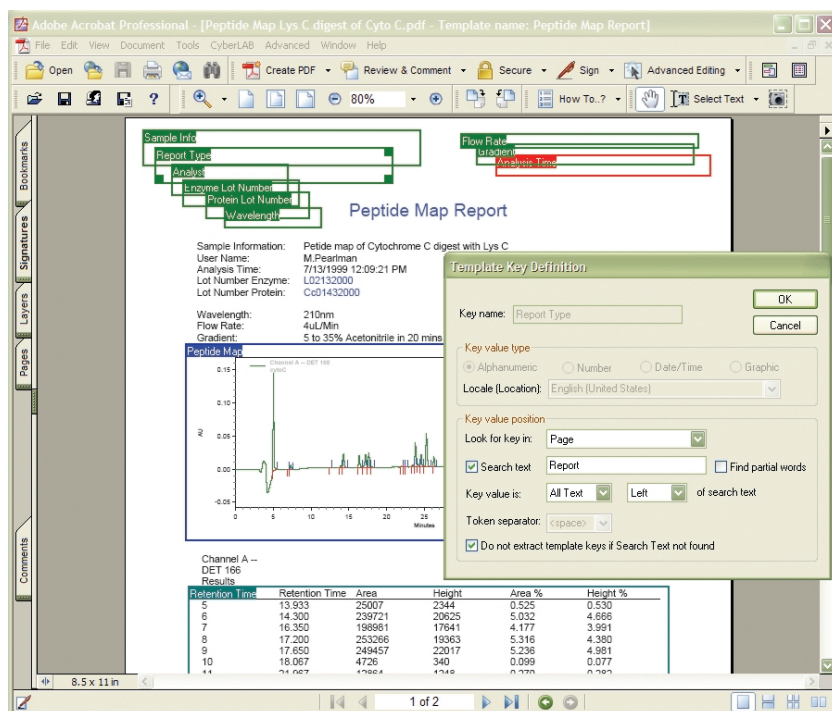


Automated Print Extraction Services for Agilent OL



Key Benefits

- Make all data from non Agilent OL instruments (third-party instruments, software, and data systems) fully indexed and searchable in Agilent OL.
- Conduct focused database queries across different types of data and different project locations.
- Flexibly and easily re-key all meta-data for third-party instruments and data systems.

Figure 1. Agilent OL's PDF template extraction technology can provide specific search capabilities for any PDF file. A variety of different analytical instruments, data systems, and PC applications can generate PDF files as a result of normal report outputs and the Agilent OL PDF extraction technology can be used to enable powerful specific item searches.

Manage All Instrument Data with Agilent OL

The unique Agilent OL, Operating System for the Laboratory, provides powerful content management of all data and results from laboratory instruments. All electronic content from instruments becomes fully protected and secured in Agilent OL's content management system. Instruments controlled by Agilent OL use Agilent's instrument control software technology that has been used in laboratories around the world for over 15 years supporting over 300 different instruments. However, other laboratory instruments that are not directly controlled by Agilent OL or separate data systems may still integrate into the Agilent OL operating system and have their electronic content also fully managed and controlled by Agilent OL.



Agilent Technologies

One of the mechanisms available for “non-Agilent OL controlled” systems to take advantage of the operating system is through Agilent OL’s Print Extraction Service which extracts key information directly from the PDF reports from instruments and third party data systems. This results in making the information from these instruments and data systems fully searchable using Agilent OL’s powerful content management technologies. Agilent OL’s Print Extraction Service is just one way to deal with these instruments and data — several other solutions are also available. This data sheet will discuss Agilent OL’s print extraction technology and other data sheets will describe these additional solutions.

Make All Laboratory Content Fully Searchable

The Agilent OL Print Extraction Service is a print management system that can be deployed on the laboratory operating system so that third party instruments and data systems that have print drivers can direct their printed reports to an Agilent OL “cyberprinter XP” in addition to their normal physical printers. The Agilent OL cyberprinter XP is installed on the third party data system and specified as a Windows printer when generating a particular data system report. As soon as the data system creates a report, the Agilent OL Print Extraction Service automatically directs a PDF rendering of the report into the Agilent OL content management repository. By this simple and elegant connection, the laboratory is assured that all reports are immediately secured and protected in Agilent OL without the need for manual intervention.

Make All Content in the Reports Fully Searchable

Some file management software can search and retrieve information based on document properties such as file names or creation date. Agilent OL Print Extraction technology, however, allows the user to do much more focused queries on the content in each report.

Using the user interface tools in the Agilent OL PDF template program, specific content in any PDF report can be characterized by its physical location in a report so that Agilent OL can perform more specific searches.

For example, suppose the report generated by a particular data system includes a list of compounds *not found* in the analysis and that the compound “Clozapine” is not found in some runs. The data system would list Clozapine in a table of compounds not found in the data system report. The Agilent OL Print Extraction service will ensure that all reports from the data system are secured in the content management system, so that all data system reports are automatically put into the content repository. Using a full text search, it might be possible to perform a search on “Clozapine” but this would find all reports that have the Clozapine listed in the report, including those reports where Clozapine was detected and reported. Using the PDF template technology, however, one could search specifically in the part of the report that listed the Compounds Not Found and perform the search specifically for those reports where “Clozapine” is reported as not found.

Ordering Information

Optional Agilent OL Print Extraction Services can be ordered for the particular instrument/third party data system. An Agilent OL Print Extraction Service is needed for each data system/instrument generating the print output. For example, in an Agilent OL operating system where there are four (4) third party GC data systems and three (3) third party HPLC data systems, a total of seven Agilent OL Print Extraction Services are required.

The optional Agilent OL PDF Template plug-in for Adobe Acrobat is required for the Agilent OL ECM Service in order to design PDF templates to extract specific information. The plug-in allows users to design PDF templates from PDF files. When these templates are applied to a designated folder in the Agilent OL ECM system, this key information is then stored in a full-text index and in key/value relationships to make the intended PDF files more fully searchable.

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