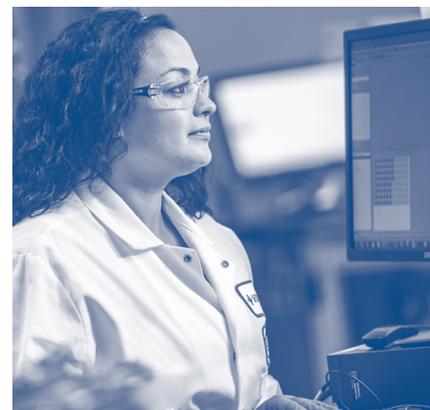


# Custom e-commerce platforms for simplified ordering, procurement, and authentication



For simplified integration of your organization's e-purchasing systems with IDT, look to our custom portals, punchouts, and SciTools™ Plus API (application programming interface) software. These personalized interfaces and web platforms provide authenticated and secure 24/7 access to our catalog of products and web tools, and make it easy to manage your inventory, track your spending, and operate more efficiently.

## Overview of our integration and portal platforms features:

### SciTools PLUS API SOFTWARE

- Complexity screening
- Order tracking
- Codon optimization applications
- Authentication via OAuth

### PUNCHOUTS

- Support for commerce XML (cXML) and open catalog interface (OCI) protocols
- Automated purchase order (PO) generation
- Order approval processes for administrators
- Electronic invoicing

### PORTALS

- Consolidated shipping
- Organized e-commerce management
- Improved payment methods
- Order approval processes for administrators

For Research Use Only. Not for use in diagnostic procedures.

> [WWW.IDTDNA.COM](http://WWW.IDTDNA.COM)

## SciTools PLUS API SOFTWARE

Online SciTools Plus API software offers easy-to-use, comprehensive tools for nucleic acid design and ordering. It is fully supported by a responsive, dedicated team for smooth onboarding and implementation.

### Valuable features include:

- Complexity screening (scoring sequences) and codon optimization applications for gene design
- OligoAnalyzer™ Tool and biophysics tools help facilitate the intelligent design of assay conditions
- Quality control (QC) and certificate of analysis (COA) download to ensure product traceability
- Order tracking to help plan experiments and projects
- Order creation option (cXML) and invoice download to track pricing and monitor budgets

Browse our [SciTools Plus API technical documentation](#) to learn how to access API web services, and integrate them into your bioinformatics design, laboratory information management, or procurement systems.

### CodonOptimization

Show/Hide | List Operations | Expand Operations

GET	/v1/CodonOpt/Organisms	Get a list of organisms
GET	/v1/CodonOpt/SequenceTypes	Get list of sequence types
GET	/v1/CodonOpt/ProductTypes	Get a list of product types
POST	/v1/CodonOpt/Optimize	Run optimization

### Complexity

Show/Hide | List Operations | Expand Operations

POST	/v1/Complexities/ScreenGblockSequences	Run complexity screener
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### Invoice

Show/Hide | List Operations | Expand Operations

GET	/v1/Invoices	Get invoices
GET	/v1/Invoices/{InvoiceID}	Get a specific invoice by id

### OligoAnalyzer

Show/Hide | List Operations | Expand Operations

POST	/v1/OligoAnalyzer/Analyze	Analyze a sequence
POST	/v1/OligoAnalyzer/Hairpin	Run hairpin on a sequence
POST	/v1/OligoAnalyzer/TmMismatch	Calculate TmMismatch for a sequence
POST	/v1/OligoAnalyzer/HeteroDimer	Hetero-Dimer Analysis

### OligoCard

Show/Hide | List Operations | Expand Operations

GET	/v1/OligoCard	Get OligoCards on your account
GET	/v1/OligoCard/{cardId}	Get a specific OligoCard

### Qc

Show/Hide | List Operations | Expand Operations

> REGISTER NOW AT [WWW.IDTDNA.COM/SCITOOLS-PLUS-API](http://WWW.IDTDNA.COM/SCITOOLS-PLUS-API).

## PUNCHOUTS

This integration platform offers direct, secure, system-to-system messaging between your institution's procurement system and the IDT e-commerce site to communicate ordering information. The customer clicks a link within their procurement system to order from IDT, which opens an embedded ordering session on the IDT e-commerce site. Our punchouts have been integrated with software from Ariba, Jaggaer (SciQuest), Oracle Supplier Network, Coupa, Aquire, Unimarket, LabCloud™ (LabCloud, Inc.), Prendio, and other third-party software companies. Supported transmission types for punchouts include cXML and OCI.

### Valuable features include:

- Access is automatically handled between the systems, so no duplicate logins are needed
- Item information is transferred directly to the procurement system before order placement
- Items have unique identifiers for improved traceability, which allows workflow processes to be implemented on the buyer's side before PO creation
- Accurate item prices are known to the procurement software at the time of PO creation, leading to more accurate invoicing

### Punchout stages include:

- 1. Login (SetupRequest)**—by clicking a link within their purchasing system to buy from IDT, an ordering session is opened within a browser frame from their procurement site. Users will automatically be logged into their IDT ordering account. This maps each user to a unique IDT punchout account, based on the user data provided, and allows anonymous ordering, when user data is not provided in the punchout message. Users can read and store custom fields for downstream reporting purposes.
- 2. Cart return (OrderMessage)**—the item information is transferred from the IDT ordering session to the user's procurement software; there are custom fields to accommodate organizational needs. The shipping/tax is configurable at the header level or as a line item and returns UNSPCS code for configured items.
- 3. Purchase orders (OrderRequest)**—a message is sent from the buyer's procurement system to IDT, authorizing placement of an order. This supports the combining of items from multiple ordering sessions onto a single PO, or the splitting of items from a single ordering session onto multiple POs. However, item numbers are unique and cannot be reused on subsequent POs; users can read and store custom fields.

**“Working with Integrated DNA Technologies B2B Integrations team over the years has been a pleasure. IDT's streamlined integration process makes it easy to test and set up punchout connections in our Prendio procurement software. Our new customers are typically integrated and placing B2B orders within a couple days. The continued support provided by their integration specialists is appreciated by our whole team.”**

### JIM BUKARTEK

Director of Purchasing and Client Technical Services, BioProcure, Inc.

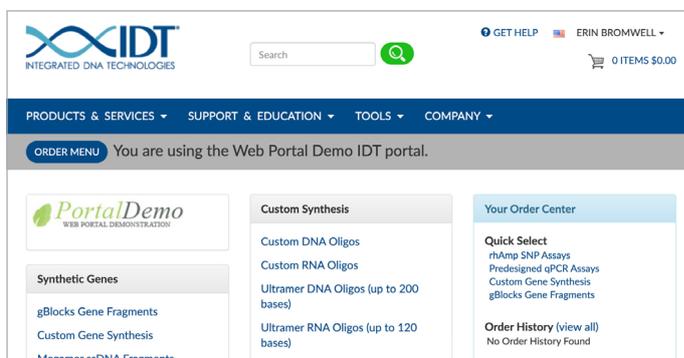
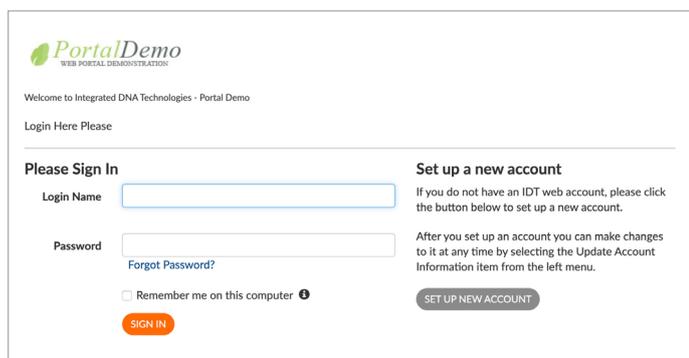
## PORTALS

Portals are a customized version of the IDT website, which can be tailored to the specific needs of the buyer organization. Portals offer customers access to IDT products and web tools, while also providing administrators with an approval system to manage accounts and orders. Each end user places orders through their own portal web account.

### Valuable features can include:

- Account and order approval processes for administrators
- Organization-specific logos and text on the portal login page
- Organization-specific pricing displayed in the shopping cart
- Support for various payment methods, including blanket POs
- Additional fields to collect organization or customer-specific information

### Examples of portal configurations:



## ADDITIONAL INTEGRATIONS SOLUTIONS

### ORDERING APIS

This option offers a direct system-to-system channel for placing orders. Products are configured on the customer side and delivered in cXML format to IDT's ordering API. The cXML is read and translated into an IDT order, placed with the shipping/payment details provided in the document.

- Allows ordering from a configurable specification, using IDT product information
- Includes all information necessary to configure, manufacture, ship, and bill the order

### ELECTRONIC BUSINESS DOCUMENTS

In conjunction with our integration and portals capabilities, the following information is also available:

- Confirmation—delivered upon IDT's recognition of sale (cXML format)
- Advance shipping notice (ASN)—delivered upon close of shipping manifest, via HTTP (cXML format only)
- Invoices— invoiced per submission, not batched (multiple delivery methods and document formats)
- Custom reports—available in specified periods, delivered via email or HTTP (spreadsheet or XML format)

> For more information, visit [www.idtdna.com/eProcure](http://www.idtdna.com/eProcure).