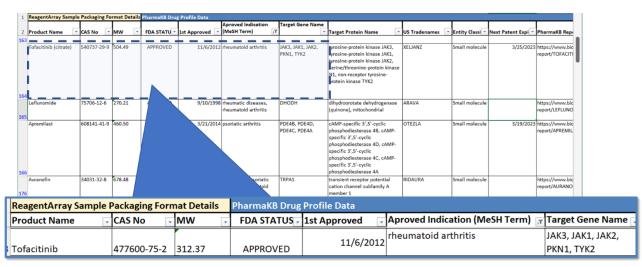


#### Key Takeaway

<u>The Pharmaceutical KnowledgeBase (PharmaKB)</u> content may be used within 3rd party commercial applications. In this case, Reagent Array, a specialty screening sample provider, enables drug sample selection based on key properties from the PharmaKB database.

### **Reagent Array Drug Sample Selection**

Reagent Array subscribes to a custom data feed from CDD's new Pharma KnowledgeBase (PharmaKB) drug profile information on FDA and EMA approved drugs and drugs in clinical trials. Reagent Array employs content from the PharmaKB to allow researchers to select drug ingredient samples.



# Reagent Array & PharmaKB Drug Compound Selector

#### PharmKB data fields used for sample selection:

- Common drug name and trade names.
- Biological target and reference codes.
- FDA 1<sup>st</sup> approval date & current status.
- FDA Approved disease indications.
- Common Industry identifiers.
- Exclusivity impacting patent end dates.
- Entity type (Small molecule, Protein, etc.),

## **Reagent Array Sample Packaging**

Reagent Array samples are delivered in simple single use cassettes holding 24 samples at 0.5 to 2 microliters each. An example sample cassette is illustrated in Figure 2. The sample cassette system provides for delivery of 24 samples to a standard screening place in one simple step.

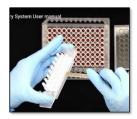
#### Figure 2: Sample Cassette



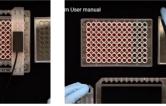
Figure 3: Reagent Array method delivers 24 2 nl samples per cassette in one step (no manual pipetting)

**One Step** 

Delivery



Remove Cover

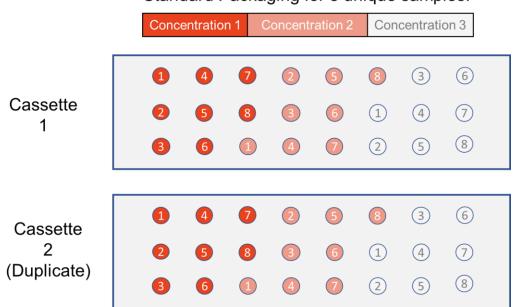


Ready To Screen



#### Standard Reagent Array Sample Formatting

Under Reagent Array standard formatting, each 24 pin cassette contains 8 unique compounds packaged at three different concentrations allowing for easy calculation of dose response curves. Each sample cassette is provided in duplicate so results may be validated.



## Standard Packaging for 8 unique samples.

Reagent Array and CDD are working together to provide drug discovery researchers access to user selected custom sets of FDA approved drug ingredients packaged as cost-effective single use laboratory sample sets in screening programs. These custom sets come in a screening-ready format saving both time and money.

#### For information on Reagent Array products and services:

Please visit: <u>www.ReagentArray.com</u> Email: <u>info@ReagentArray.com</u>

#### For information on Collaborative Drug Discovery's Pharma KnowledgeBase (PharmKB):

All content is available through the PharmaKB web application at (<u>www.pharmakb.com</u>) or via the PharmaKB API (details at <u>https://www.pharmakb.com/api-documentation</u>). Email: <u>info@pharmakb.com</u>