

Introducing ConfirmPDX

First-to-market ddPCR assay to better understand
tumor composition.

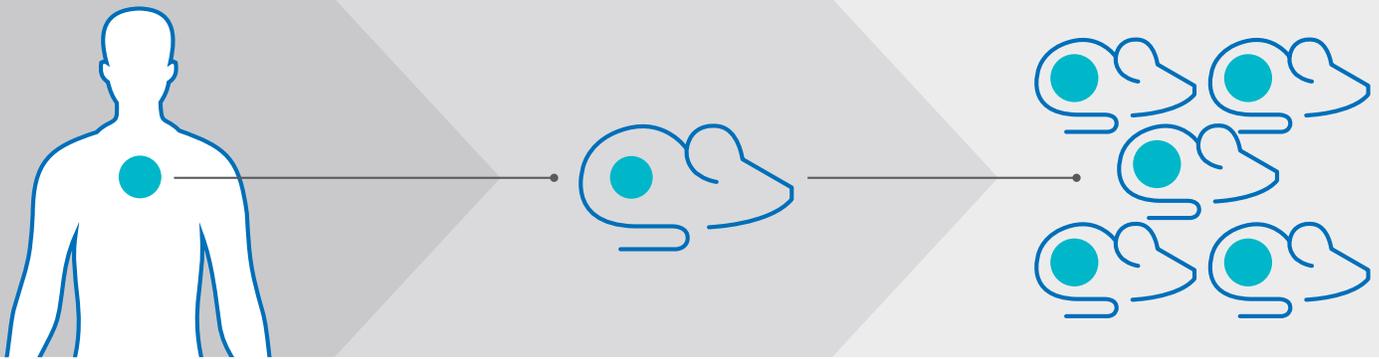
IDEXX BioAnalytics
Biologics & Cell Services

IDEXX

Accurate, precise data is essential to good science.

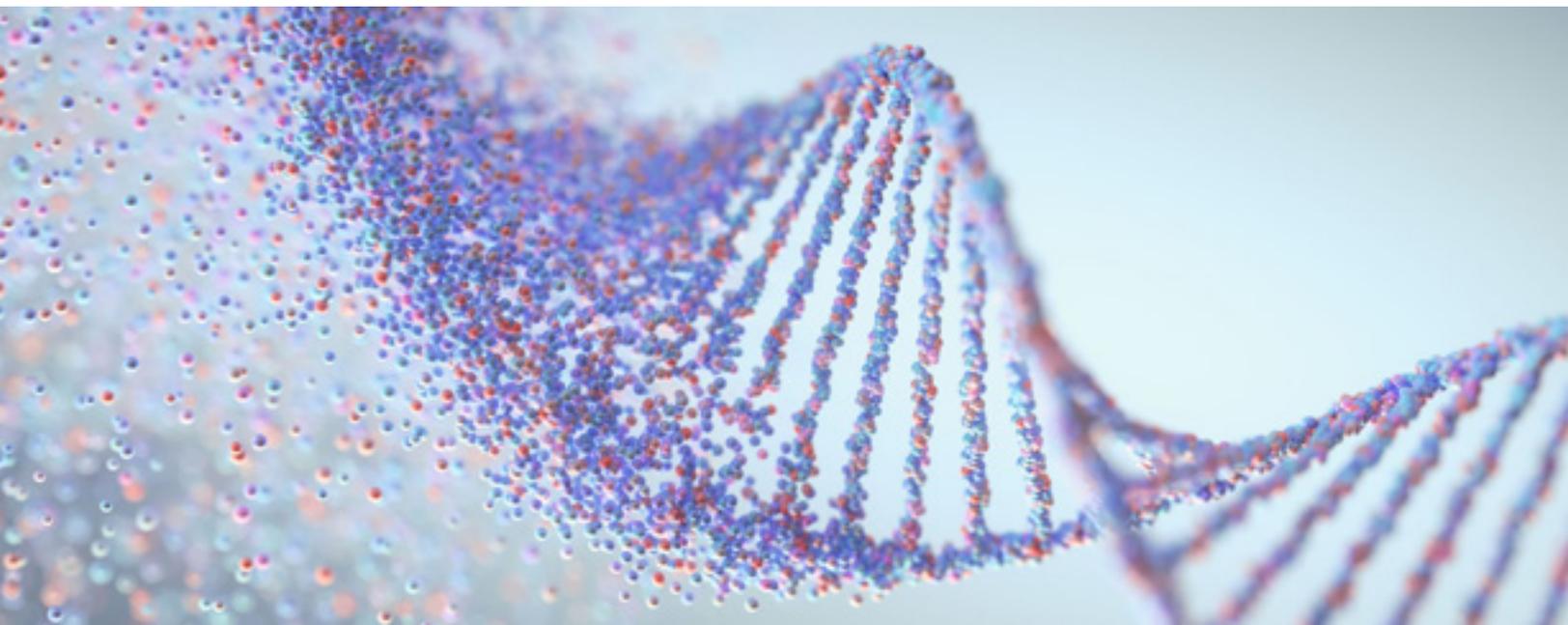
ConfirmPDX is the most accurate assay for determining the percentage of human versus mouse cells within a mixed population. Samples are easy to prepare, and results are delivered quickly, so you can get the confirmation you need—and get right to work.

No more estimating. No more ranges. No more uncertainty.



As a scientist, you rely on sound data from your animal models to provide answers that will advance medicine and therapeutics. A thorough evaluation of these models will provide the information needed to ensure those study conclusions are correct. With increased clarity into the constitution of tumor and cell line populations, this assay will help keep your work moving in the right direction on time.

When you need to know how much of the tumor you're studying is of human origin and how much is the mouse, there's ConfirmPDX.



The certainty you need.

The widely-used Patient-Derived Xenograft (PDX) and Cell Line-Derived Xenograft (CDX) models are essential for advancing tumor understanding and human cancer treatment options. A complicating factor with these models is that human and mouse cells coexist in more than 99% of passaged tumors—and cell lines that are passaged through mice may contain large amounts of mouse stroma. Additionally, some human cellular populations may be overtaken by mouse lymphocytes, retaining very little of the original human sample. An interspecies contamination test will reveal the presence of mouse cells—but does not provide a quantitative assessment. A simple “yes” or “no” isn’t enough to make well-informed decisions about how best to proceed.

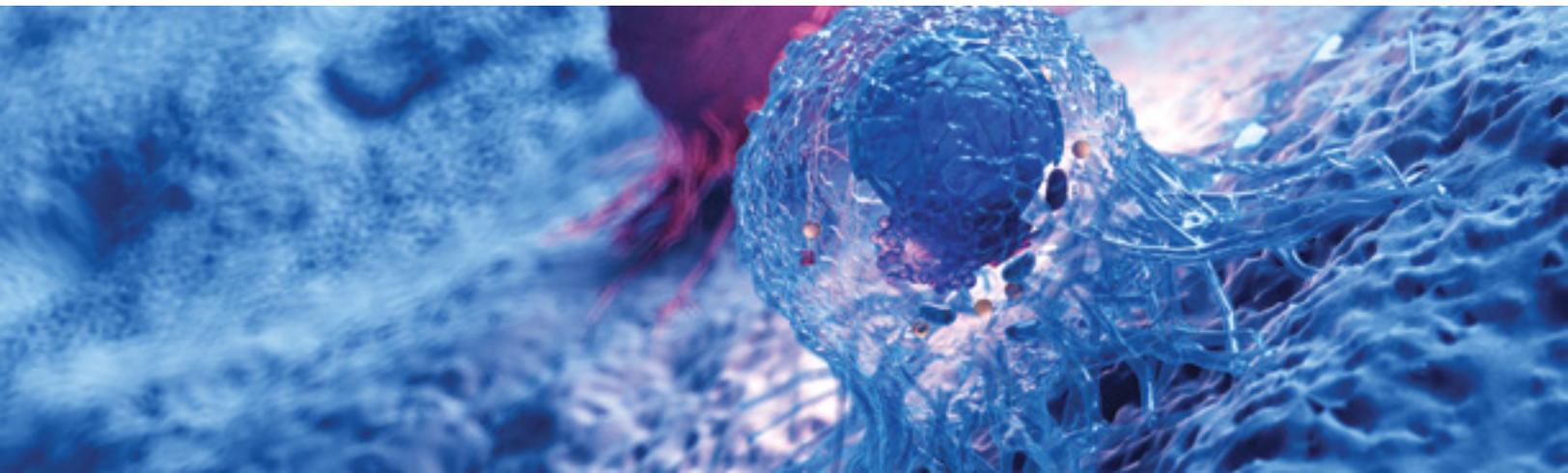
ConfirmPDX solves this problem with an assay that provides fast, accurate percentages of human and mouse cells in any mixed population sample—so you know how much of each tumor or cell line is mouse, and how much is human. Based on droplet digital polymerase chain reaction (ddPCR) technology, ConfirmPDX testing is ultra-sensitive, delivering a precise ratio of human-to-mouse cells with 1% resolution.

For researchers who demand certainty about their scientific data, ConfirmPDX is the answer.

The confidence to move forward.

It is now possible to verify without doubt that you are passaging a human tumor rather than a mouse outgrowth or mouse lymphoma. Likewise, when enriching for human cells in a mixed culture, repeated passages can be tested to confirm you have reached your goals. ConfirmPDX delivers the answers that your research standards demand.

With the answers that ConfirmPDX provides—swiftly, accurately, and affordably—you gain the confidence you need to make crucial decisions that affect your science, productivity, and research aims.



The documentation to back it up.

IDEXX BioAnalytics—a company with a proven reputation for accuracy and reliability—offers our patent-pending ConfirmPDX fractional abundance testing as an add-on to your current interspecies testing offered as a standard part of our STR cell line authentication service (CellCheck) or as a standalone service.

Unlike traditional PCR methods, ConfirmPDX provides accurate, quantitative results that are simple and clear.

| Traditional RT-PCR Assay | | ConfirmPDX ddPCR Assay | |
|--------------------------|-------|------------------------|-------|
| Human | Mouse | Human | Mouse |
| – | + | 0% | 100% |
| + | + | 7% | 93% |
| + | + | 96% | 4% |
| + | + | 35% | 65% |

Easy, one-step sample preparation and submission.

ConfirmPDX is the first commercially available test for relative speciation of mixed population samples. And all you have to do is send in a single vial of cells, PDX tumor fragment, formalin-fixed paraffin-embedded tissue block sample, fresh-frozen tumor, or cell line. No advanced labeling is needed, and there's no new sample preparation to learn. The data you need to drive your next steps confidently will be in your inbox at the speed you depend on from IDEXX BioAnalytics.

Be certain. Be confident.

Make ConfirmPDX a regular part of your research best practices. Contact us at idxxbioanalytics-europe@idexx.com to connect with an experienced account manager and get started today.

