## Identifying misidentified/contaminated cell lines (ICLAC)

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We display a banner on the product results page if any displayed cell lines are suspected of contamination by the ICLAC

Despite their importance in modern biomedical research, contamination or misidentification of cell lines is a widespread problem that directly impacts how you interpret your findings and the direction you take your research. To put this in perspective, the <u>International Cell Line Authentication Committee</u> (ICLAC), a volunteer organization dedicated to cataloging misidentified cell lines, reported in the <u>2020 edition of its registry</u> that 509 cell lines are misidentified with no known authentic stock. The problems this can cause scientists is exemplified by the *Chang Liver* cell line – originally thought to be normal human liver cells are instead *HeLa* cells, human cervical cancer.

As you are searching, we keep you informed if any of your search results include suspect cell lines with a banner on the products page with a link to the ICLAC registry (see below).

BenchSci	Product Type Cell Products ① ~ Q Cell Line Name Chang liver ×		×	Q Save Search	Guide to B	enchSci 🔗	ይ 🗳
Filters	FIGURES (242) PRODUCTS (9)						
Application	0		# Compare	e 📄 Save to List 🛛	Export Selection	Check for Duplic	ates ①
Figure Usage Data +	△ chang liver has been flagged as either misidenti	ified or contaminated by the I	ICLAC Register of Misident	ified Cell Lines. Learn	More 🗹		×
Supplier Filters – Availability				ollapse results by cell l	ine Sort By: Match	ing Figures (Most to	Least) 🗸
Company	Cell Product - Cell Line		No Applications	Chang Liver Human			
Cell Product Specs - Cell Product Type	Chang Liver Sekisui XenoTech   JCRB9066			Liver			
Cell Line Name Species Of Origin	⊗] Save to List 岸 Add To Compare						
Cell Type Of Origin Tissue Of Origin	© Cell Product - Cell Line  Chang Liver		No Applications	Chang Liver Human			
Disease Of Origin Gene Expression	JCRB Cell Bank   JCRB9066						
Biosafety Level							0

Note that just because a cell line is flagged by the ICLAC does not necessarily mean your cells are contaminated, but you should consider authenticating them.

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