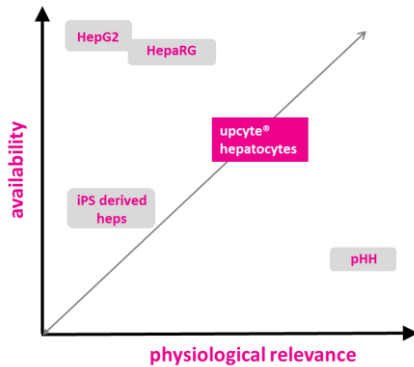


market position



advantages

- long term cultures
- large lot sizes (up to 2000 vials)
- easy to use
- primary-like phenotype
- metabolic competent cells (Phase 0, I, II & III)
- proliferating & transfectable
- generated from healthy cells
- different donors available

service options

Do you have a specific cell type, a special species, a favourite donor or patient derived disease material?

Do you want to avoid donor variability and multiple validations by using large lots?

No problem, talk to us!

comparison to other hepatic cells

	HepG2	pHH (gold standard)	HepaRG	iPS derived hepatocytes	upcyte® Hepatocytes
functionality	-- (cancer derived)	++	+ (cancer derived)	-	+
handling / culture	++	-	-	-	+
batch sizes /screening	++	+ (donor dependent)	++	-	++
multi donors (pooling)	--	++	--	-	+ (currently limited)
pricing	++	+ (lot specific)	+ (lot specific)	-	+
length of culture	++	- (single cultures)	+	+ (lot specific)	+
data available	++	+ (donor dependent)	++	-	+ (donor dependent)
transfection/genetic modification	++	-	++	-	+

applications

toxicity testing

(e.g. short & long term cultures, repeated dose, proliferating & differentiated cells, cholestasis, apoptosis, steatosis, genotoxicity)

3D cultures

(e.g. spheroids, hanging drop, printing, fluidic chip systems, matrices, scaffolds)

metabolism

(long term clearance, transporters, repeated dose, insulin dependent activity)

transfection

(e.g. NFkB stress sensor, GFP)

co-cultures

(with e.g. upcyte® LSECs and primary Kupffer Cells)

viral infection

(e.g. HCV)

Find more info here: <https://www.upcyte.com/products/hepatocytes/>