# Release Notes for BAO version 2.8.1

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#### **About BAO**

The BioAssay Ontology (BAO) has been developed to formally describe biological screening assays and their results including high-throughput screening (HTS) data; specifically in the domain of small molecule drug and probe development. BAO enables categorization of assays and results by based on several concepts that are important to interpret and analyze screening data with the goal to infer the mechanism of action of small molecules based on the known aggregate screening results from many assays.

### Changes in BAO v 2.8.1

Curated annotations for ADME set of bioassays cardinality restriction for

- has cell line (38) (https://github.com/BioAssayOntology/BAO/issues/68)
  - o external CLO module
  - o 29 HEK293 cell line (http://purl.obolibrary.org/obo/CLO\_0001230)
  - o 5 MDCK cell line (http://purl.obolibrary.org/obo/CLO 0007646)

**Change control tables for ADME cardinality restrictions (SEED)** 

Table 1. Curated annotations for 38 bioassays ADME cardinality restriction for cell line

BAO ID	BAO label	BAO property label	BAO ID	restriction	CLO ID
BAO_001019					
1	BCRP inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020					
8	BCRP substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020					
8	BCRP substrate assay	has_cell_line	BAO_0002004	some	CLO_0007646
BAO_001019					
0	BSEP inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001019					
4	MATE1 inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020					
9	MATE1 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO 001019	•		_		
5	MATE2 inhibition assay	has cell line	BAO 0002004	some	CLO 0001230
BAO_001021	-		_		_
0	MATE2 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001008	•		_		_
6	MDCK permeability assay	has cell line	BAO 0002004	some	CLO 0007646
BAO 001008	MDCK-BCRP permeability				
5	assay	has cell line	BAO 0002004	some	CLO 0007646
BAO 001019	•		_		_
2	MRP2 inhibition assay	has cell line	BAO 0002004	some	CLO 0001230
BAO_001019					
7	OAT1 inhibition assay	has cell line	BAO 0002004	some	CLO 0001230
BAO 001021			_		
2	OAT1 substrate assay	has cell line	BAO 0002004	some	CLO_0001230
BAO 001019					
8	OAT2 inhibition assay	has cell line	BAO 0002004	some	CLO 0001230
BAO 001021	,				
3	OAT2 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230

BAO_001019					
9	OAT3 inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001021	,		_		_
4	OAT3 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020					
0	OATP1B1 inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001021	OATD1D1 outpetrate access	has sall line	BAO_0002004		CLO_0001230
5 BAO_001020	OATP1B1 substrate assay	has_cell_line	DAU_0002004	some	CLO_0001230
1	OATP1B3 inhibition assay	has_cell_line	BAO 0002004	some	CLO_0001230
BAO_001021					
6	OATP1B3 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001021					
9	OATP2B1 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020	OOT4 ! -  - ! - !	har all Par	DAO 0000004		01.0.0004000
BAO_001021	OCT1 inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001021	OCT1 substrate assay	has cell line	BAO_0002004	some	CLO_0001230
BAO 001020	OOT 1 Substrate assay	nas_coi_iiic	BAO_0002004	Some	OLO_0001230
3	OCT2 inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001021	•				_
8	OCT2 substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001019					
3	P-gp inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001020	D an aubatrata accou	has cell line	BAO 0002004		CLO_0001230
BAO_001020	P-gp substrate assay	nas_ceii_line	DAU_0002004	some	GLO_0001230
6	P-gp substrate assay	has cell line	BAO 0002004	some	CLO 0007646
BAO_001018	- gr coacasto accay				
8	transporter inhibition assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001018					
8	transporter inhibition assay	has_cell_line	BAO_0002004	some	CLO_0002462
BAO_001020	tuananantan aribatuata a	haa aall liaa	DAG 0000004		01.0.0004030
A BAO_001020	transporter substrate assay	has_cell_line	BAO_0002004	some	CLO_0001230
4	transporter substrate assay	has cell line	BAO 0002004	some	CLO 0007646
BAO_001020	transporter substrate assay	IIGO_COII_IIIIC	D/ (O_0002004	SOILIC	<u> </u>
4	transporter substrate assay	has_cell_line	BAO_0002004	some	CLO_0002462
BAO_001019	uptake transporter inhibition		_		_
6	assay	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_001019	uptake transporter inhibition				
6	assay	has_cell_line	BAO_0002004	some	CLO_0002462
BAO 0010011	uptake transporter substrate	han goll line	BAO 0000004		CI O 0004330
BAO_0010211	assay uptake transporter substrate	has_cell_line	BAO_0002004	some	CLO_0001230
BAO_0010211	assay	has_cell_line	BAO_0002004	some	CLO_0002462
D/10_0010211	accuy	Huo_coll_lillo	D/10_0002004	301110	OLO_0002702

## **Public Location:**

http://www.bioassayontology.org/bao

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