

List of ingredients

COMPOUND_ID	COMPOUND	COMPOUND_TYPE
0	water	simple
1	Glucose	simple
2	CaCO ₃	simple
3	K ₂ HPO ₄	simple
4	MgSO ₄ x 7 H ₂ O	simple
5	NaCl	simple
6	L-Asparagine	simple
7	Glycerol	simple
8	Yeast extract	complex
9	Starch	complex
10	Beef extract	complex
11	N-Z amine	complex
12	Peptone	complex
13	Malt extract	complex
14	Oatmeal	complex

Formulations

Each media formulation will contain a mixture of up to 6 ingredients and can be defined by a six-number identifier defined by their component ids. For example, ISP2 media can be defined by the following 0-1-2-8-13-0. Water here is only as a substitute place holder because in others there may be some component in its place.

0	1	2	8	13	0
water	Glucose	CaCO ₃	Yeast extract	Malt extract	water

The combinations are made by combining up to 3 from each combining category (simple and complex) and further combining each category in all combinations.

Assembly

Assembly of formulations can be done in 96 deep-well (1mL working volume) or 384 (80µL). Assembling into 96-well plates gives 42 plates. Whereas it can be assembled into 11 384-well plates, however, the culture volume and it's subsequent extraction might get difficult.

... example plates in the following pages..