



b

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX obo: <http://purl.obolibrary.org/obo/>
PREFIX genesis: <http://project-genesis.io/ontology#>

SELECT DISTINCT ?label ?gm ?temp ?ph ?chem
  (COUNT(?sample) AS ?exp_count) WHERE {
  ?trans a obo:NCIT_C153189;
    obo:OBI_0000293 ?sample.
  ?sample a obo:OBI_0000747;
    ^obo:OBI_0000299 ?sampling.
  ?regime ^genesis:GEN_000018 / genesis:GEN_000009 ?sampling;
    rdfs:label ?label;
    genesis:GEN_000014 ?gm;
    genesis:GEN_000012 / obo:OBI_0001937 ?temp;
    genesis:GEN_000013 / obo:OBI_0001937 ?ph.

  OPTIONAL {
    ?regime genesis:GEN_000017 ?conc.
    ?conc obo:IAO_0000136 / a ?chem;
      obo:IAO_0000039 ?chem_conc_unit;
      obo:OBI_0001937 ?chem_conc.
  }

} GROUP BY ?label ?gm ?temp ?ph ?chem ?exp_count
```

d