

Table 2

Comparative Analysis of Indigenous Research Guidelines Concerning Genomic Research Across Four Countries

	Canada	New Zealand	Australia	United States
Community Consultation				
In protocol development	✓			
Before collection of samples	✓	✓		✓
Embodies respect for cultural differences	✓	✓	✓	✓
Formal community approval required	✓	✓		✓
Sample Collection and Informed Consent				
Done in a culturally sensitive manner	✓	✓	✓	✓
Discussion of a collective harm (e.g. group discrim) as part of inform consent process	✓	✓	✓	✓
Use and Storage of Biological Materials				
Potential uses defined prior to sample collection	✓		✓	✓
Provision for withdrawal of samples (IW or CW)	IW, CW			CW
Discussion of secondary uses with contributors (DI or DC)	DI, DC			DC
Secondary uses require community approval	✓			✓
Prioritization of Research Uses				
Should benefit contributing population	✓			✓
Clear position on commercial applications	✓			✓
Post-Research Obligations				
Ongoing research updates to participating communities	✓			✓
Community review of study findings before release	✓	✓		✓
Need to develop local capacities	✓			✓

Bolded terms = Leading principles of concern to Indigenous peoples regarding genetic research

✓ = Identifies a sub-principle within a country's guideline

IW = Individual withdrawal

CW = Community withdrawal

DI = Discussion held with individual

DC = Discussion held with community