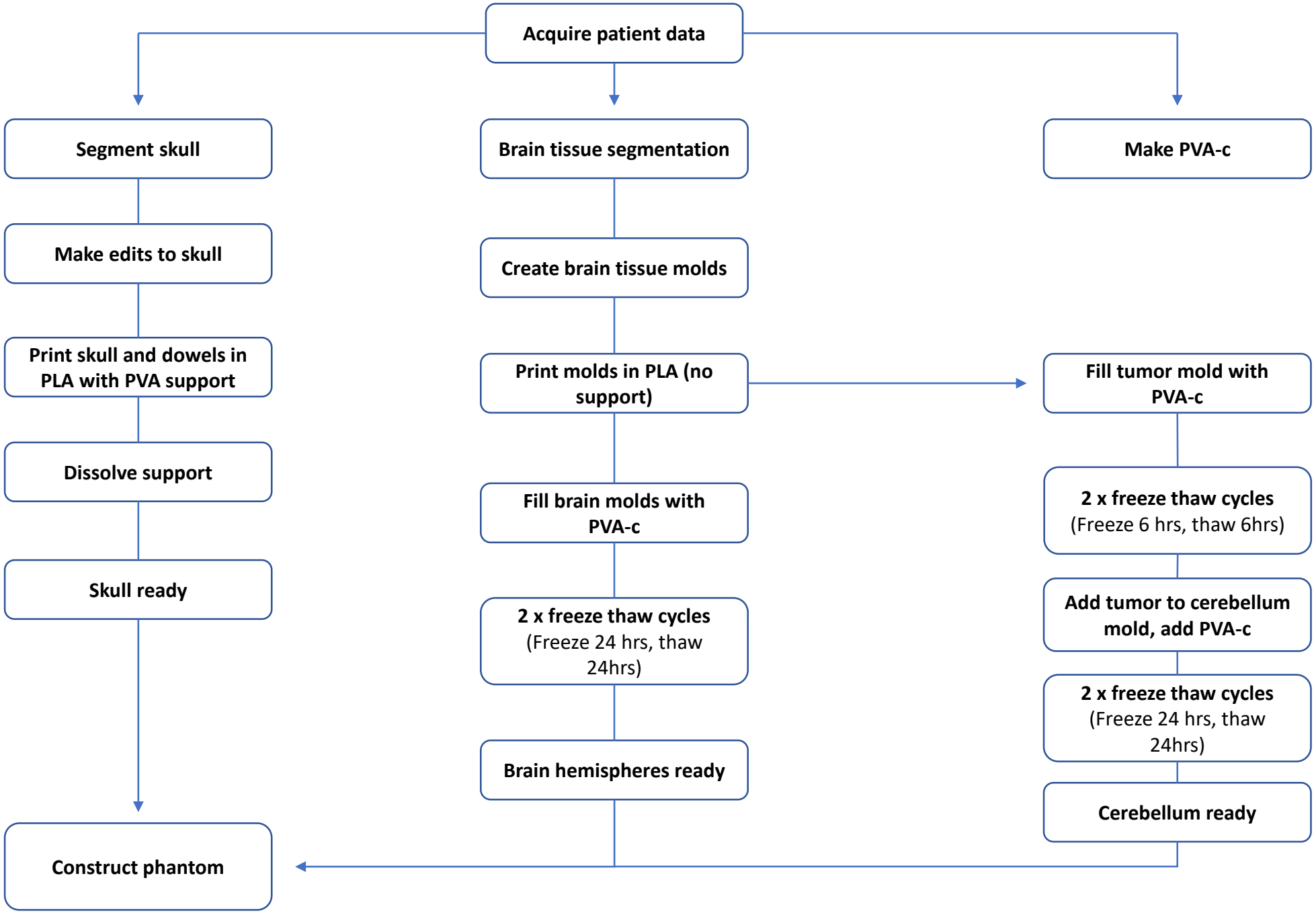
Acquire patient data
Segment skull
Make edits to skull
Print skull and dowels in PLA with PVA support
Dissolve support
Skull ready
Brain tissue segmentation
Create brain tissue molds
Print molds in PLA (no support)
Fill brain molds with PVA-c
2 x freeze thaw cycles (Freeze 24 hrs, thaw 24hrs)
Brain hemispheres ready
Make PVA-c
Fill tumor mold with PVA-c
2 x freeze thaw cycles (Freeze 6 hrs, thaw 6hrs)
Add tumor to cerebellum mold, add PVA-c
2 x freeze thaw cycles (Freeze 24 hrs, thaw 24hrs)
Cerebellum ready
Construct phantom