

**Supplementary Table 4. Capacities matrix for manufacturing in a CGT hub and spoke model**

<b>Manufacturing</b>				
<b>Actor</b>	<b>Characteristic</b>	<b>Hub</b>	<b>Spoke</b>	<b>Partner Spoke</b>
Sequencing focal point	Analyzes the patient specimen using NGS to produce data used in the manufacturing process (e.g., to determine which plasmids to use)	✓	✓	X
Cell preprocessing production coordinator	Offers available slots for cell preprocessing to the control tower	✓	X	X
Cell preprocessing production planner	Plans the preprocessing details for all incoming batches to prepare for shipment to the main manufacturing facility	✓	X	X
Plasmid production coordinator	Fulfills the delivery schedules agreed upon with the supply chain planner and reports any issues or delays	✓	X	X
Plasmid production planner	Plans the manufacturing details for all incoming batches	✓	X	X
Genetic manufacturing production coordinator	Offers available slots for personalized cell manufacturing or fulfills the bulk delivery schedules agreed upon with the supply chain planner and reports any issues or delays	✓	X	X
Genetic manufacturing production planner	Plans the manufacturing details for all batches of genetic vectors	✓	X	X
Cell production coordinator	Offers available slots for personalized cell manufacturing or fulfills the bulk delivery schedules agreed upon with the supply chain planner reports any delays or issues	✓	X	X
Cell production planner	Plans the manufacturing detail for all batches of cells	✓	X	X
Quality responsible	Ensures the output of this part of the process meets the appropriate quality criteria	✓	✓	X

CGT, cell and gene therapy; NGS, next-generation sequencing.

✓, has capacity; X, does not have capacity.