

	20-054 Scale up comPACT production for PACT294C	Version 1.5
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Study #: 20-054

Study ID: Scale-Up comPACT Production: PACT294C (20000256)

Responsible Scientist: Katharine Heeringa

Experiment ID: 20000256

Date: 4th February, 2020

Study Objective: Scale-Up comPACT Production: PACT294C

Study initially reviewed by: Pankaj Tiwari (Reviewed on 17 Jun 2021)

Study finally reviewed by: Gagan Bansal (Reviewed on 08 Jan 2021)

Zero (0) comPACTs were identified by the imPACT process as having cognate TCRs; One (1) of these, comPACT11574, had an unpaired cysteine in the neo-epitope and was dropped before production.

Six (6) comPACTs were generated and submitted to protein Analytics for quality control. Data were stored in the proper folder in the clinical Drive (P): P:\PACT-0101\0602_PACT294C\05_LSC

Five (5) out of Six (6) attempted passed QC and were passed on to Tumor Immunology for functional characterization, along with comPACT060, the HLA-A03:01 allele control; comPACT3201, the HLA-B35:01 allele control; comPACT2376, the HLA-B07:02 allele control;

Table 1: List of comPACT molecules passed to TI for functional characterization.

comPACT Name	Batch ID	neoE Sequence	Gene	HLA	imPACT TCR ID	Protein Concentration	Yield	Molecular Weight	Tube Bar Code list
PACT135_PT0476-M489_O5_CP_HLA-A03:01	comPACT060-001	KTYFKPFHPK	IL8	HLA-A03:01	Negative Control (PACT135_TCR219, PACT135_TCR220, PACT135_TCR225, PACT135_TCR226, PACT135_TCR223, PACT135_TCR224, PACT135_TCR228)	2.18		53245.46	ep8852
PACT131_T1001-006_O238_CP_HLA-B35:01	comPACT3201-001	WPSFDGILYY	KCNA5	HLA-B35:01	Negative Control	2.21		53280.99	ep9401
PACT035_T_587333F_O113_CP_HLA-B07:02	comPACT2376-001	RPHSPILSLMA	CCDC134	HLA-B07:02	Negative Control	0.81		53359.30	ep10424
PACT294C_T_PP001145_O56_CP_HLA-B07:02	comPACT11553-002	APSSITILP	TMEM115	HLA-B07:02	PACT294C_TCR603, PACT294C_TCR598, PACT294C_TCR584, PACT294C_TCR580, PACT294C_TCR561, PACT294C_TCR557, PACT294C_TCR556, PACT294C_TCR555, PACT294C_TCR550	0.67		53148.86	ep10459
PACT294C_T_PP001145_O55_CP_HLA-B07:02	comPACT11554-002	APSSITIL	TMEM115	HLA-B07:02	PACT294C_TCR602, PACT294C_TCR586, PACT294C_TCR565, PACT294C_TCR558, PACT294C_TCR551	0.63		53051.60	ep10464
PACT294C_T_PP001145_O73_CP_HLA-B35:01	comPACT11555-002	APSSITIL	TMEM115	HLA-B35:01	PACT294C_TCR601, PACT294C_TCR597, PACT294C_TCR595, PACT294C_TCR594, PACT294C_TCR593, PACT294C_TCR592, PACT294C_TCR591, PACT294C_TCR590, PACT294C_TCR587, PACT294C_TCR585, PACT294C_TCR583, PACT294C_TCR582, PACT294C_TCR579, PACT294C_TCR578, PACT294C_TCR577, PACT294C_TCR576, PACT294C_TCR575, PACT294C_TCR574, PACT294C_TCR572, PACT294C_TCR571, PACT294C_TCR570, PACT294C_TCR569, PACT294C_TCR568, PACT294C_TCR567, PACT294C_TCR564, PACT294C_TCR560, PACT294C_TCR552, PACT294C_TCR549	0.69	52935.15	ep10474	
PACT294C_T_PP001145_O23_CP_HLA-A03:01	comPACT11606-002	RISGDSVYKH	MTRF1	HLA-A03:01	PACT294C_TCR600, PACT294C_TCR596, PACT294C_TCR588, PACT294C_TCR562, PACT294C_TCR559	3.09		53113.41	ep10494
PACT294C_T_PP001145_O38_CP_HLA-B07:02	comPACT11619-002	SPGTRPIAM	ARNTL2	HLA-B07:02	PACT294C_TCR573	0.76		53066.41	ep10505
PACT294C_T_PP001145_O18_CP_HLA-A03:01	comPACT11574-002	HATLPVCYK	MTA1	HLA-A03:01	PACT294C_TCR599, PACT294C_TCR589, PACT294C_TCR581, PACT294C_TCR566, PACT294C_TCR563, PACT294C_TCR554, PACT294C_TCR553	0.91		53103.27	ep10484

Critical Document(Certificate of Analysis)

Summary

- Five(5) comPACTs and Three(3) allele controls were released to Tumor Immunology for functional characterization 08 May 2021