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Title Certificate of Analysis MAT Cell Set

Product	MAT Cell Set		Sanquin Plesmanlaar	n 125 1066 CX Amsterdam I
Product number	M2016		<b>MAT Cell Set</b>	
		Label		
			₹ 288	
			∦ ≤-80°C 2024-04-14	LOT 8000460017 REF M2016 LOT ORG 68-7100

## Test results

Description	Specification		
Qualification of donors and cells	Qualified according to European Pharmacopoeia chapter 2.6.30, section 5	specification yes	
Donor infectious disease testing	All donors are screened and found negative for:  • Hepatitis B: HBsAg, HBV-NAT and anti-HBc  • Hepatitis C: Anti-HCV and HCV-NAT  • HIV: Anti-HIV/1/2/(0) and HIV-NAT  • Treponema pallidum: anti-TP	yes	
Characteristics of cell	Consists of a pool of cryopreserved Peripheral Blood Mononuclear Cells (PBMC) isolated from four single donors	yes	
pool	Cell concentration per vial after thawing from liquid nitrogen:  • 4 - 6 x 10 <sup>6</sup> cells/mL <sup>1</sup>	yes	
Monocyte Activation	<ul> <li>Detection of endotoxin:         <ul> <li>Mean OD450nm - 550nm of the blank:</li> <li></li> <li></li> <li></li> <li>Limit of Detection (based on mean blank + 3x SD):</li> <li></li> <li><!--</td--><td>yes</td></li></ul></li></ul>	yes	
Test (MAT) <sup>2</sup>	Detection of non-endotoxin pyrogens (NEPs):  • Tested and found responsive towards NEPs:  • Peptidoglycan from Staphylococcus aureus  • Synthetic triacylated lipoprotein (Pam3CSK4)  • Flagellin from Salmonella typhimurium (FLA-ST)  • Heat-Killed Staphylococcus aureus (HKSA)	yes	
	Consideration of the averaging effect of pooling cells:  • EC50 of endotoxin standard curve of each single donor:  • 50-200% of EC50 of standard curve of the pool	yes	

<sup>&</sup>lt;sup>1</sup> Determined by using an automated cell counter.

<sup>&</sup>lt;sup>3</sup> Given as concentrations per sample (i.e. prior to addition of pMAT Cells to the samples).

Approved QA/QC	Date	12 October 2023	Signature	
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<sup>&</sup>lt;sup>2</sup> Results obtained using PeliKine compact human IL-6 kit (REF: M1916) and PeliKine tool set 1 (REF: M1980).