

Title **Certificate of Analysis MAT Cell Set**


Product	MAT Cell Set	<div>Sanquin Plesmanlaan 125 1066 CX Amsterdam NL</div> <div>MAT Cell Set</div> <div><div><div><div><div></div></div></div><div>288</div></div><div><div><div><div></div></div></div><div>≤ -80°C</div></div><div><div><div><div></div></div></div><div>2026-05 20</div></div><div><div><div><div>LOT</div><div>8000462043</div></div><div><div>REF</div><div>M2016</div></div><div><div>LOT</div><div>ORG</div><div>68-7193</div></div></div></div></div>
Product number	M2016	
Label		

Test results

Description	Specification	Meets specification
Qualification of donors and cells	Qualified according to European Pharmacopoeia chapter 2.6.30, section 5	yes
Donor infectious disease testing	All donors are screened and found negative for: <ul style="list-style-type: none"> Hepatitis B: HBsAg, HBV-NAT and anti-HBc Hepatitis C: Anti-HCV and HCV-NAT HIV: Anti-HIV/1/2/(O) and HIV-NAT Treponema pallidum: anti-TP 	yes
Characteristics of cell pool	Consists of a pool of cryopreserved Peripheral Blood Mononuclear Cells (PBMC) isolated from four single donors	yes
	Cell concentration per vial after thawing from liquid nitrogen: <ul style="list-style-type: none"> 4 – 6 x 10⁶ cells/mL¹ 	yes
Monocyte Activation Test (MAT) ²	Detection of endotoxin: <ul style="list-style-type: none"> Mean OD_{450nm} – 550nm of the blank: < 0.1 Test sensitivity (0.02 EE/mL)³ > cut-off value Assurance of criteria for the endotoxin standard curve: <ul style="list-style-type: none"> Coefficient of determination: R² > 0.975 Regression statistically significant: p < 0.01 Lack of fit test: p > 0.05 	yes
	Detection of non-endotoxin pyrogens (NEPs): <ul style="list-style-type: none"> Tested and found responsive towards NEPs: <ul style="list-style-type: none"> Peptidoglycan from <i>Staphylococcus aureus</i> Synthetic triacylated lipoprotein (Pam3CSK4) Flagellin from <i>Salmonella typhimurium</i> (FLA-ST) Heat-Killed <i>Staphylococcus aureus</i> (HKSA) 	yes
	Consideration of the averaging effect of pooling cells: <ul style="list-style-type: none"> EC₅₀ of endotoxin standard curve of each single donor: <ul style="list-style-type: none"> 50-200% of EC₅₀ of standard curve of the pool 	yes

¹ Determined by using an automated cell counter. ² Results obtained using PeliKine compact human IL-6 kit (REF M1916) and PeliKine tool set 1 (REF: M1980) or PeliKine Human IL-6 ELISA Rapid Set (REFs: M2018 and M2019).

³ Given as concentrations per sample (i.e. prior to addition of pMAT Cells to the samples).

Approved QA/QC	Date	13 November 2025	Signature	
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