Mycophenolate

Synonyms	MPA, MMF, mycophenolate mofetil, mycophenolic acid, CellCept
Clinical Indication	Mycophenolate is an immunosuppressive agent which exerts its effect by inhibiting the growth of the B and T cells. It is used in the prophylaxis of acute rejection in organ transplant patients (often alongside cyclosporin and corticosteroids). Used for monitoring blood Mycophenolate concentration. At toxic concentrations patients are susceptible to side effects including leucopaenia and anaemia. At sub-therapeutic dosage, patients may experience transplant rejection. Mycophenolate is increasingly used as a steroid sparing treatment in other autoimmune mediated diseases like psoriasis.
Part of Profile / See Also	
Request Form	Combined Pathology manual Blood form or ICE request
Availability / Frequency of Analysis	Referred test: Analysed at St Thomas Hospital Synnovis 8805 (Immunosuppressant Laboratory), if specific criteria met.
Turnaround Time	4 days (longer for samples taken on a Friday)
Patient Preparation	Samples should be collected before next dose (trough)
Sample Requirements	
Specimen Type	EDTA plasma
Volume	1 ml
Container	 Pink/purple top (EDTA) tube  Paediatric EDTA (Red top – Sarstedt)  Paediatric EDTA (Pink top – BD Microtainer)
Reference Range & Units	mg/L. Therapeutic range varies depending on reasons for use, type of transplant and concomitant disease and medications.
Interferences	
Interpretation & Clinical Decision Value (if applicable)	The reference laboratory can be contacted on 020 7188 9652 (Immunosuppressant Service – St Thomas' Hospital) if further discussion if required.

References	https://bnf.nice.org.uk/drug/mycophenolate-mofetil.html http://www.viapath.co.uk/our-tests/mycophenolic-acid
Test code	SAS
Lab Handling	Centrifuge and aliquot at least 500ul of EDTA plasma within 4 hours. Store plasma in the referrals rack at 4C (clearly label with the sample type on the aliquot). Sent daily by courier to St Thomas' Hospital, London.