

Sirolimus

Synonyms

Rapamycin, Rapamune, Sir

Clinical Indication

Sirolimus is an immunosuppressive drug licensed for use in renal transplantation.

Sirolimus exerts its effect by inhibiting the activation of T and B cells. It is important to monitor the blood concentration of sirolimus as at toxic concentrations patients are susceptible to a number of side-effects. At sub-therapeutic dosage, patients may experience transplant rejection.

Part of Profile / See Also

Request Form

Combined Pathology manual Blood form or ICE request

Availability / Frequency of Analysis

Referred test: Analysed by the IMS Laboratory, King's College Hospital [Synnovis 8805](#).

Turnaround Time

48 hours (up to 4 days if sample is received on a Friday or over the weekend)

Patient Preparation

Trough sample required: 2 - 4 hours before next dose.

Sample Requirements

Specimen Type

EDTA Whole Blood

Volume

2mls minimum

Container



Pink/purple top (EDTA) tube



Paediatric EDTA (Red top – Sarstedt)



Paediatric EDTA (Pink top – BD Microtainer)

Reference Range & Units

ug/L. Therapeutic range varies depending on reasons for use, type of transplant and concomitant disease and medication. See www.siolimus.org.uk

Interferences

Interpretation & Clinical

Decision Value (if applicable)

No established therapeutic range. Please contact the reference laboratory if you wish to discuss a result (07738 897225 / 02071 889652)

References

<http://www.viath.co.uk/our-tests/siolimus>

Test code

SIRO

Lab Handling

Store the whole blood (EDTA) in the referrals rack at 4°C. Sent daily by courier to King's College, London.