

Routine Stem Cell Transplant Inpatient Bloods

Mon	Tue	Wed	Thu	Fri
Clotting Ciclosporin (CSA)/Tacrolimus/Sirolimus Levels (take before morning dose and not from a lumen that has been used to administer the medication in the past – this should be marked with green tape note time of last dose & time blood taken on request form ¹) Viral BMT PCR Bloods²	Itraconazole/ Voriconazole/ Posaconazole Level (If patient receiving azole antifungal – not weekly only if 5 days after starting or changing dose)	Clotting if abnormal	Ciclosporin (CSA)/Tacrolimus/Sirolimus Levels (take before morning dose and not from a lumen that has been used to administer the medication in the past – this should be marked with green tape) Viral BMT PCR Bloods¹ Clotting <i>For Paediatric patients: Bungs and dressing change</i>	
Daily: BMT Profile (including glucose if on TPN or Steroids) Check individual requirements e.g. Chimerism Studies etc.				

NOTES:

¹In adults this is requested on ICE so there is no request form

²PCR BLOODS

All patients require routine PCR bloods for CMV, Adenovirus and EBV. CMV bloods should be repeated, at least once a week, from day 0 to day +180. Include BK virus if patient symptomatic.

PLEASE NOTE: request BMT PCR virology on ICE.

PCR: 2mls in EDTA bottle (1 Purple). **PCR bloods must be at Southmead Hospital by 10.00am, so need to be in BRI Path Lab by 08.00am.**

CHIMERISM STUDIES: consultant request

- Should not be taken on a Friday unless urgent and then if urgent send to the NHSBT using information in section 3.5 of SOP.
- Otherwise can be podded to main laboratory.
- See SOP 6.10 Chimerism Studies Following Allogeneic Stem Cell Transplant: <http://nww.avon.nhs.uk/dms/download.aspx?did=8969>

Routine Stem Cell Transplant Inpatient Bloods

<u>TEST</u>	<u>TO BE SENT TO</u>	<u>OTHER INFO</u>
BMT Profile (including glucose if on TPN or steroids)	Path Lab, BRI	Mix gently
Clotting	Path Lab, BRI	Fill to line on bottle
Beta glucan for suspected fungal infection	UKHSA Lab (Send via Path lab BRI)	
Virology (serology)	UKHSA Lab (Send via Path lab BRI)	Initial virology pre-transplant
X-match or group & save	Path Lab, BRI	Complete bottle by hand and sign
Antibiotic Assays (Lithium heparin (Green bottle))	Path Lab, BRI	<p>Gent level: Pre 2nd dose then every 3rd dose. Pre dose only.</p> <p>Adult Vanc Level: 1st level to be taken pre (before) 6th dose, then every 3rd day. Take sample pre vanc infusion.</p> <p>Paed Vanc level: Toxicity check level pre 4th dose, but if low do not dose adjust. Repeat level pre 6th dose (see Paediatric vancomycin dosing SOP)</p> <p>Accept level pre: 10-15mg/dl</p>
Ciclosporin (CSA) level	Take before administering next dose	IMPORTANT: do not take blood from lumen CSA goes down; take from non green tape lumen
Itraconazole level	Path Lab, BRI	Pre dose levels (trough)
Tacrolimus Level	Take before administering next dose	IMPORTANT: do not take blood from lumen tacrolimus goes down;
CMV/Adeno/EBV PCR (see notes)	UKHSA Lab (Send via Path lab BRI)	Request BMT PCR virology on ICE (analysed daily Mon-Fri)
Blood Cultures	Path Lab, BRI	use Vacutainer blood transfer device to inject equal amounts into each bottle
Chimerism Studies	H&I Lab, NBS (Send via Path lab,BRI)	Send in H&I Lab request form 3C
Platelet & White Cell antibodies	H&I lab, NBS (send via path lab 1BRI.)	<p>Platelet refractory–use form 3A</p> <p>Platelet Immunology–use form 3D</p> <p>Granulocyte immunology–use form 3E</p>
HLA matching (tissue typing)	H&I lab, NBS (send via path lab BRI.)	Send in H & I Lab, request form 3A or 3C, complete all details on form in full.