The Royal College of Pathologists
Pathology: the science behind the cure

SUPERVISED LEARNING EVENT

CHEMICAL PATHOLOGY

Case-based Discussion (CbD)

Trainee's name:		**Year of training:** 1 2		**Stage of training:** A B	
Assessor's name:		**Please circle one**	Consultant Clinical scientist	Senior BMS Senior Trainee	SAS Other

Brief focus for assessment

EXAMPLE
You are duty biochemist when a member of the BMS staff approaches you with a sample issue. The serum sodium on a patient has been measured as 110 mmol/L, however the specimen has flagged as lipaemic. The BMS staff member has suggested performing the analysis again using a blood gas analyser as it has a direct ion selective electrode. You wonder why this has been suggested, though you do recall from medical school that sodium and water are linked physiologically and that sodium is the principle extracellular cation. You consult with a senior staff member as you are not sure what action to take.

Please note constructive feedback is required in order for this assessment to be valid. Please comment on the following items as appropriate – noting what was done particularly well, areas for improvement and any issues of patient safety. Do also aim to identify areas for learning and reflection.

Set learning outcomes for discussion with educational supervisor:

1. Staff hierarchy in an NHS laboratory
2. Physiology of sodium and water
3. Principle interferences in automated analyses and their consequences
4. Theory behind ion selective electrodes

Additional learning outcomes agreed over and above the set ones:

What was done well?

What could be done differently?

Next steps

Signature of assessor:		Signature of trainee:	