

### Example of Performance Monitoring in the Post-Stem Cell Transplant Chimerism Monitoring Programme

The table below is a hypothetical example to help describe performance monitoring within the Chimerism programme. It considers a single participant over six trials.

Trial (Performance)	Post SCT Sample	Sample z-score	Performance Monitoring A: Action, C: Critical							
			1	2	3	4	5	6		
Trial 1 (Satisfactory)	A	Satisfactory								
	B	Satisfactory								
Trial 2 (Satisfactory)	C	Action	A	A	A					
	D	Satisfactory								
Trial 3 - Non return (Unsatisfactory)	E	Action (NR)			A	A	A			
	F	Action (NR)				A	A	A		
Trial 4 (Persistent Unsatisfactory)	G	Satisfactory								
	H	Action					A	A	A	
Trial 5 (Satisfactory)	I	Satisfactory								
	J	Satisfactory								
Trial 6 (Unsatisfactory)	K	Critical							C	C
	L	Satisfactory								

**Trial 1:** Results for both samples, A and B, were given satisfactory z scores, therefore performance was Satisfactory.

**Trial 2:** An Action z score was given for sample C, while the result for sample D was satisfactory. Overall performance was Satisfactory.

**Trial 3:** No results were returned and therefore an Action score was awarded for both sample E and sample F. Considering the rolling 3-sample period CDE, the combination of action scores for samples C and E generated a critical score, shaded dark red. A further critical score was awarded for the period DEF (also shaded dark red) as a result of the combination of Action scores for samples E and F. Performance was considered Unsatisfactory.

**Trial 4:** The result for sample G was satisfactory, however an Action z score was awarded for sample H. Considering the rolling 3-sample period FGH (also shaded dark red), the combination of Action scores for samples F and H results in a further Critical score. Please note that for the period EFG (shaded blue), a Critical score was not awarded as the specific combination of Action scores for samples E and F had already been accounted for in the period DEF. Considering the 3-trial (six sample) period of trials 2, 3 and 4 (shaded red), a total of three critical scores (shaded dark red) have been awarded and therefore the participant was deemed to have shown Persistent Unsatisfactory Performance.

**Trial 5:** Results for both samples, I and J, were given satisfactory z scores, therefore the performance status returned to Satisfactory.

**Trial 6:** Whilst the result for sample L was satisfactory, the result for sample K was awarded a Critical score, again resulting in Unsatisfactory Performance status.