

# Total risk matrix for FEI APREO SEM

<b>Very Serious</b> Death	<b>5</b>				
<b>Serious</b> Serious damage/sickness with possible inability to work	<b>1</b>				
<b>Moderate</b> Serious damage / sickness					
<b>Small</b> Damage which requires professional medical attention		<b>6</b>			
<b>Very small</b> Damage which requires first aid only	<b>2, 3, 4</b>				
<b>Cons. ↑</b>  <b>Probab. →</b>	<b>Very small</b> Ca. one incident in 50 years or less often	<b>Small</b> Ca. one incident in 10 years or less often	<b>Average</b> Ca. one incident per year or less often	<b>High</b> Ca. one incident per month or less often	<b>Very high</b> Weekly

The colours show areas with evaluated risks which are acceptable (green), considerable, measures should be taken (yellow) and not acceptable, measures MUST be taken to reduce the risk (red).

The numbers in the matrix correspond to the table below.

ID	Short description/Name	ID	Short description/Name
1	High voltage		
2	X-Rays		
3	Mechanical Movements of the stage		
4	UV/IR hazard		
5	Failure of cardiac pacemaker		
6	Hot surfaces during bake out		
7			
8			
9			

**Please see the detailed risk evaluation in the folder with all relevant documents for this machine for a detailed description of the risks.**