





Criteria for room marking

Green rooms ■ – low risk	
What <i>MAY</i> be present in the green ■ room?	What may definitely <i>NOT</i> be present in the green ■ room?
<p style="text-align: center;">Chemical:</p> <ul style="list-style-type: none"> Only a working stockⁱ of hazardous substances, with the exception of the substances excluded alongside. 	<p style="text-align: center;">Chemical:</p> <ul style="list-style-type: none"> Substances with pictogram <i>GHS01 (Explosive)</i>;  Substances with pictogram <i>GHS04 and/or that are in gas cylinders or other pressure vessels (Pressurised gases)</i>; Gas cylinders, liquefied gases Such as cryogenic substances  Substances with pictogram <i>GHS06 (Toxic)</i>;  Substances with pictogram <i>GHS08 (Long-term health-hazardous)</i>  and more than a working stockⁱ of the other hazardous substances.
<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Biological agents belonging to category 1 (not pathogenic). <p>For restriction level see KAM-rule 13 Biological safety.</p>	<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Biological agents from category 2 and higher; Genetically modified organisms in laboratories (ML-I to ML-IV); Genetically modified organisms on a production scale (MI-I to MI-IV); Laboratory animal houses where work is carried out with animals in association with biological agents from category 2 or GMOs (D-I, DM-I to DM -IV).

Green rooms ■ – low risk

Radioactive:

- Open radioactive substances below the exemption limits in non-zoned room (D-level);
- Sealed sources with low activity for example: Electron Capture Detectors (ECDs) may be present under reservation. This must be assessed by the General Coordinating Radiation Protection Expert.



Radioactive:

- Radiation dose for a person may not be higher than 1mSvⁱⁱ in a calendar year.

Yellow rooms ▲ – medium risk	
What <u>MAY</u> be present in the yellow ▲ room?	What may definitely <u>NOT</u> be present in the yellow ▲ room?
<p style="text-align: center;">Chemical:</p> <p>Irrespective of the quantity:</p> <ul style="list-style-type: none"> Substances with pictogram <i>GHS04 and/or that are in gas cylinders or other pressure vessels (Pressurised gases);</i> Gas cylinders, liquefied gases Such as cryogenic substances Substances with pictogram <i>GHS05 (caustic/corrosive);</i> Strong acids and bases Substances with pictogram <i>GHS0 (Toxic)</i> Substances with pictogram <i>GHS08 (Long-term health-hazardous)</i> <p>AND / OR when more than a working stockⁱ of other hazardous materials is stored.</p>	<p style="text-align: center;">Chemical:</p> <p>Irrespective of the quantity:</p> <ul style="list-style-type: none"> Substances with pictogram <i>GHS01 (Explosive).</i>
<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Biological agents belonging to category 2 (pathogenic, BSL2); Genetically modified organisms belonging to restriction level I and II on a laboratory scale (ML-I and ML-II). Genetically modified organisms on a production scale (MI-I, MI-II and MI-III). Laboratory animal houses where work is carried out with animals in association with biological agents from category 2 or GMOs (D-I, DM-I, DM-II). <p>For restriction levels see KAM-rule 13 Biological safety.</p>	<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Biological agents whether or not genetically modified belonging to category 3 and 4 (BSL3, BSL4, ML-III, ML-IV, MI-IV, DM-III, DM-IV).
<p style="text-align: center;">Radioactive:</p> <ul style="list-style-type: none"> Supervised zone / radionuclides laboratory on C-level (room with a possible personal dose between 1 mSv and 6 mSvⁱⁱ in a calendar year). 	<p style="text-align: center;">Radioactive:</p> <ul style="list-style-type: none"> Radiation dose for a person may not be higher than 6 mSvⁱⁱ in a calendar year.

Red rooms ● – high risk	
What <i>MAY</i> be present in the red ● room?	What may definitely <i>NOT</i> be present in the red ● room?
<p style="text-align: center;">Chemical:</p> <p>Irrespective of the quantity:</p> <ul style="list-style-type: none"> Substances with pictogram GHS01 (explosive). 	<p style="text-align: center;">Chemical:</p> <ul style="list-style-type: none"> N/A
<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Biological agents belonging to category 3 (BSL3 pathogenic); Genetically modified organisms belonging to restriction level III on a laboratory scale (ML-III). Genetically modified organisms on a production scale (MI-IV). Laboratory animal houses where work is carried out with animals in association with biological agents from category 3 (BSL3) or GMOs (DM-III). <p>For restriction levels see KAM-rule 13 Biological safety.</p>	<p style="text-align: center;">Biological:</p> <ul style="list-style-type: none"> Activities with biological agents belonging to category 4 (BSL4) or genetically modified organisms belonging to containment level ML-IV or DM-IV are not permitted at the USPB. No activities with this category of biological agents may therefore be carried out at the USPB. Should this be the case in the future, then a change of the permit is ALWAYS necessary in advance.
<p style="text-align: center;">Radioactive:</p> <ul style="list-style-type: none"> Controlled zone / radionuclides laboratory on B-level (room with a possible personal dose higher than 6 mSvⁱⁱ in a calendar year). 	<p style="text-align: center;">Radioactive:</p> <ul style="list-style-type: none"> Radiation dose for a person may not be higher than 20 mSvⁱⁱ in a calendar year.



ⁱ Working stock: the stock of hazardous substances that is built up for the business operation/production in a work room/production room or near a process installation or filling installation. The working stock must be geared to the use for one day or one batch.

ⁱⁱ mSv: milli Sievert = $1 \cdot 10^{-3}$ Sv; unit for radiation dose for humans, where 1 Sv is equal to 1 J/kg.