

**Sample Safety Information for
Quality Assessment Specimens in the Field of Clinical Chemistry**

Group ID	Scheme name	Health hazard information
118	Ammonia	No risk for health or environment in the used concentrations.
322	Infection Serology – C-Reactive Protein	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV All controls of human origin should be considered as potentially infectious and treated with appropriate care.
185	Biogenic Amine in Plasma	This preparation contains human plasma whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
760	Myocardial Markers	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
761	Myocardial Markers BNP	This preparation contains a synthetic matrix with added human BNP-32. Since no human body liquid is added, the samples were not tested for pathogens.
141	Serum Proteins /Electrophoresis	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
700	Ethanol	This preparation contains either human serum which was tested for the absence of several pathogenic germs. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
Datei:	S:\QMS\Gültig\VW-LI-008.docx	Seite: 2 / 11

**Sample Safety Information for
Quality Assessment Specimens in the Field of Clinical Chemistry**

Group ID	Scheme name	Health hazard information
130	Faecal-Diagnostics 01 – Calprotectin	This preparation contains human feces that was tested negative for salmonella, yersinia, shigella and campylobacter using the TPE-test. Samples were not tested for HIV, HCV or HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
131	Faecal-Diagnostics 02 – Hb, Hp-Hapto.-Complex	This preparation contains human feces that was tested negative for salmonella, yersinia, shigella and campylobacter using the TPE-test. Samples were not tested for HIV, HCV or HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
146	Fructosamine	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
243	Gammopathies	This preparation contains human plasma whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
111	Glucose – Conventional Analysis	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
500	Urinary Stone Analyses	This preparation contains human kidney stones that were not tested for HIV, HCV or HBV.
Datei:	S:\QMS\Gültig\VW-LI-008.docx	Seite: 3 / 11

**Sample Safety Information for
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Group ID	Scheme name	Health hazard information
		All controls of human origin should be considered as potentially infectious and treated with appropriate care.
244	IgG Subclasses	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
102	Capillary Zone Electrophoresis	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
100	Clinical Chemistry – Conventional Analysis	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
151	Lipids/ Lipidproteins	This preparation contains either human serum or plasma whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
110	Neonatal Bilirubin	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
181	Photometer Controls	No risk for health or environment in the used concentrations.
241	Plasmaproteins 01	This preparation contains human plasma whose do-

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		<p>nors were tested negative for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
242	Plasmaproteins 02 – Cystatin-C	<p>This preparation contains human plasma whose donors were tested negative for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
240	Plasmaproteins – hsCRP	<p>This preparation contains human plasma whose donors were tested negative for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
292	Tumor Markers	<p>This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
299	Tumor Marker - Calcitonin	<p>This preparation contains a synthetic matrix and proteins of human origin. It was not tested for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
293	Tumor Markers – PSA + Testosterone	<p>This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV.</p> <p>All controls of human origin should be considered as potentially infectious and treated with appropriate care.</p>
290	Vitamins (Serum)	<p>This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV.</p>
Datei:	S:\QMS\Gültig\VW-LI-008.docx	Seite: 5 / 11

**Sample Safety Information for
Quality Assessment Specimens in the Field of Clinical Chemistry**

Group ID	Scheme name	Health hazard information
		All controls of human origin should be considered as potentially infectious and treated with appropriate care.
291	Vitamins (Whole Blood)	This preparation contains human serum whose donors were tested negative for HIV, HCV, HBV, HAV, B19V and Syphilis. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
296	Vitamins 03 – Vitamin C	This preparation contains human serum whose donors were tested negative for HIV, HCV, HBV, HAV, B19V and Syphilis. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
187	Vitamins 04 – Methylmalonic Acid	This preparation contains human serum whose donors were tested negative for HIV, HCV, HBV, HAV, B19V and Syphilis. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
245	Complement Analysis 01	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
246	Complement Analysis 02	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
247	Complement Analysis 03	This preparation contains human plasma whose donors were tested negative for HIV, HCV and HBV.
Datei:	S:\QMS\Gültig\VW-LI-008.docx	Seite: 6 / 11

**Sample Safety Information for
Quality Assessment Specimens in the Field of Clinical Chemistry**

Group ID	Scheme name	Health hazard information
		All controls of human origin should be considered as potentially infectious and treated with appropriate care.
248-250	Complement Analysis 04-06	This preparation contains human serum whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.
145	HbA1c	This preparation contains human whole blood whose donors were tested negative for HIV, HCV and HBV. All controls of human origin should be considered as potentially infectious and treated with appropriate care.

3. Composition / Information on Ingredients

Group ID	Scheme name	Information on components	Biological Substance
630	ACE (Angiotensin- Converting-Enzyme)	Stabilized human serum samples	Category B
759	Markers of Ethanol Abuse 1	Native freeze-dried pulverized serum off the clot from human source.	Category B
751	Markers of Ethanol Abuse 2	Native freeze-dried pulverized human serum	Category B
710	Amino Acid Analysis	Native freeze-dried pulverized human plasma	Category B
118	Ammonia	Ammonium sulfate in aqua dest.	
322	Infection Serology – C-Reactive Protein	Native human serum	Category B
185	Biogenic Amine in Plasma	Native freeze-dried pulverized human plasma	Category B
760	Myocardial Markers	Native freeze-dried pulverized human serum with added human myocardial markers	Category B

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Group ID	Scheme name	Information on components	Biological Substance
761	Myocardial Markers BNP	Frozen pulverized synthetic matrix with added human BnP-32	Category B
141	Serum Proteins /Electrophoresis	Native freeze-dried pulverized human serum	Category B
700	Ethanol	Human serum spiked with ethanol in different physiological concentrations	Category B
130	Faecal-Diagnostics 01 – Calprotectin	Native freeze-dried pulverized human feces	Category B
131	Faecal-Diagnostics 02 – Hb, Hp-Hapto.- Complex	Native freeze-dried pulverized human feces	Category B
146	Fructosamine	Freeze-dried pulverized human serum samples with added fructosamine	Category B
243	Gammopathies	Freeze-dried pulverized human plasma with anticoagulant acid-citrate-dextrose and calcium chloride	Category B
111	Glucose – Conventional Analysis	Native freeze-dried pulverized human serum	Category B
500	Urinary Stone Analyses	Pulverized human kidney stones	Category B
244	IgG Subclasses	Native freeze-dried pulverized human serum	Category B
102	Capillary Zone Electrophoresis	Native freeze-dried pulverized human serum	Category B
100	Clinical Chemistry – Conventional Analysis	Native freeze-dried pulverized human serum	Category B
151	Lipids/ Lipoproteins	Freeze-dried human pulverized plasma with inorganic salts Or freeze-dried pulverized native human serum	Category B
110	Neonatal Bilirubin	Human serum spiked with bilirubin in different physiological concentrations	Category B
181	Photometer Controls	Potassium picrate in aqua dest.	
241	Plasmaproteins 01	Human native plasma	Category B
242	Plasmaproteins 02 – Cystatin-C	Human native plasma	Category B
240	Plasmaproteins – hsCRP	Human native plasma	Category B

**Sample Safety Information for
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Group ID	Scheme name	Information on components	Biological Substance
292	Tumor Markers	Human serum with less than 1 % murine serum and 0,02 % sodium azide	Category B
299	Tumor Marker - Calcitonin	A freeze-dried pulverized synthetic matrix with added human calcitonin and proGRP	Category B
293	Tumor Markers – PSA + Testosterone	Human serum with added 0,02 % sodium azide	Category B
290	Vitamins (Serum)	Human freeze-dried serum spiked with vitamins in different physiological concentrations	Category B
291	Vitamins (Whole Blood)	Human freeze-dried pulverized whole blood spiked with vitamins in different physiological concentrations	Category B
296	Vitamins 03 – Vitamin C	Human freeze-dried pulverized plasma with spiked vitamin c in different physiological concentrations	Category B
187	Vitamins 04 – Methylmalonic Acid	Human freeze-dried pulverized plasma with spiked methylmalonic acid in different physiological concentrations	Category B
245	Complement Analysis 01	Native human serum	Category B
246	Complement Analysis 02	Native freeze-dried pulverized human serum	Category B
247	Complement Analysis 03	Native freeze-dried pulverized human plasma with EDTA	Category B
248 -250	Complement Analysis 04-06	Native human serum	Category B
145	HbA1c	Native human whole blood with K ₂ EDTA	Category B

4. First Aid Measures

If accidental contact with material occurs laboratory staff must follow local first aid procedures that are normally applied following exposure to an equivalent clinical specimen. Medical advice should be sought following exposure to the material.

5. Fire Fighting Measures

Not applicable.

**Sample Safety Information for
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Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during handling.

Methods for cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. If samples are spilled, decontaminate by using a suitable surface disinfectant. Afterwards contain and collect carefully using suitable absorbent materials. Clean up surface with water after disinfection.

Environmental precautions:

Material must not end up in sewage, waters or soil.

7. Handling and StorageHandling:

Avoid skin and eye contact. Wear personal protective equipment. Handle and open with care.

Storage:

Please store the samples according to the information on the sample tube or in the instruction sheet with individual distributions.

8. Exposure Controls/Personal ProtectionExposure limits:

No exposure limits noted for ingredients.

Exposure guidelines:

Follow standard monitoring procedures.

Personal protective equipment:

Have a safety shower and eye shower ready. Normal Good Laboratory Practices operating conditions are advised. No personal respiratory protective equipment is normally required. Wash hands with disinfectant soap and water after finishing laboratory work and before leaving the laboratory. Preventive skin protection is recommended. Use disposable gloves as minimum hand protection. A lab coat is recommended as appropriate protective clothing. Remove contaminated clothing and wash before reuse. Wear chemical safety glasses as minimum eye protection.

**Sample Safety Information for
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Stable under normal conditions. Please find further information about the stabilities on the sample tube or the information sheet with individual distribution.

Reactive hazard:

No information available.

Hazardous reactions:

None under normal processing.

10. Toxicological Information

Not applicable.

11. Ecological Information

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12. Disposal Consideration

After use, treat as biohazardous and environmentally hazardous material and dispose of material in accordance with current local, state and federal regulations.

13. Transport Information

Refer to national and international regulations for the transport of diagnostic specimens.

All specimen types can be transported within Germany and between Germany and overseas countries at ambient temperature and stored as described in section 7 upon arrival at their destination.

14. Regulatory Information

In accordance with Directive 1999/145/EC this material is non-dangerous.

15. Other Information

Materials for external quality measurements (proficiency tests) only. The samples are not designed as standard or calibration material.