Attachment 2rev: list of test materials used to develop and optimize the protocol

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Cobalt sulfate heptahydrate	10026-24-1	Stopford et al. (2003)	0.07N HCl pH 1.5 at 37C	2, 5, 24, 72 hours, 20 g/L, reciprocating shaker bath set to shake at 150 oscillations min -1 (stroke length = I inch) at a temperature of 37 ± I °C
Cobalt neodecanoate	2753-31-2			
Cobalt monoxide	1307-96-6			
Cobalt chloride	1332-82-7			
Cobalt carbonate	7542-09-8			
Cobalt aluminate spinel	68186-86-7			
Cobalt tungsten carbide pre-sintered	12070-12-1			
Cobalt tungsten carbide post-sintered				
Cobalt napthenate	61789-51-3			
Cobalt octoate (cobalt 2-ethylhexanoate)	136-52-70			
Cobalt powder	7440-48-4			
Stellite '" powder (cobalt chrome alloy)	N/A			
Stellite@J rod (cobalt chrome alloy)	N/A			
Cobalt chloride	1332-82-7	Unpublished Umicore data	HCl pH 1.5 ± 0.1 at 37°C	0.2 g/l or 10.0 +- 0.2 mg sample in 50 ml 1h (37°C) at agitation rate of 150 rpm. Then 1 h incubation (37°C) without agitation.
Tricobalt tetraoxide	1308-06-1			
Ni acetate tetrahydrate	6018-89-9	Henderson et a. (2012)	0.07N HCl pH 1.5 at 37C	2, 5, 24, 72 hours, 2 g/L, reciprocal shaker bath (stroke length = 1inch; 150 oscillations/min).
Ni chloride Hexahydrate	7791-20-0			
Ni dihydroxide	12054-48-7			
Ni fluoride tetrahydrate	13940-83-5			
Ni hydroxycarbonate	12122-15-5			
Ni oxide (green)	1313-99-1			

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Ni oxide (black)	1313-99-1			
Ni subsulfide	12035-72-2			
Ni sulfamate tetrahydrate	13770-89-3			
Ni sulfate hexahydrate	10101-97-0			
Ni sulfide	16812-54-7			
Rhodium powder	7440-16-6	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	2h (1h with agitation + 1 h without agitation) Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm
Rhodium trichloride (hydrate)	20765-98-4	Unpublished PMC data	0.07 N HCl (prepared according to recipe 63 of SOP AB-09 -recipe book) pH 1.5± 0.1 (using a NaOH solution, as in ASTM 5517) Temperature 37 °C ± 1 °C	0.2 g/L loading. 2h study: 1h Agitation at agitation speed 100 rpm in a temperature controlled orbital laboratory shaker (orbital size: 1 inch, 2.54 cm) + 1h settling (37°C ± 1 °C)
Rhodium trihydroxide	21656-02-0	Unpublished PMC data	0.07 N HCl (prepared according to recipe 63 of SOP AB-09 -recipe book) pH 1.5± 0.1 (using a NaOH solution, as in ASTM 5517) Temperature 37 °C ± 1 °C	0.2 g/L loading. 2h study: 1h Agitation at agitation speed 100 rpm in a temperature controlled orbital laboratory shaker (orbital size: 1 inch, 2.54 cm) + 1h settling (37°C ± 1 °C)
Dirhodium trioxide	12036-35-0	Unpublished PMC data	0.07 N HCl (prepared according to recipe 63 of SOP AB-09 -recipe book)	0.2 g/L loading. 2h study: 1h Agitation at agitation speed 100 rpm in a temperature controlled orbital laboratory shaker

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
			pH 1.5± 0.1 (using a NaOH solution, as in ASTM 5517) Temperature 37 °C ± 1 °C	(orbital size: 1 inch, 2.54 cm) + 1h settling (37°C ± 1 °C)
Rhodium triiodide	15492-38-3	Unpublished PMC data	0.07 N HCl (prepared according to recipe 63 of SOP AB-09 -recipe book) pH 1.5± 0.1 (using a NaOH solution, as in ASTM 5517) Temperature 37 °C ± 1 °C	0.2 g/L loading 2h study: 1h Agitation at agitation speed 100 rpm in a temperature controlled orbital laboratory shaker (orbital size: 1 inch, 2.54 cm) + 1h settling (37°C ± 1 °C)
Diammonium sodium hexakis(nitrito-N) rhodate	64164-17-6	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.
Ruthenium powder	7440-18-8	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Platinum powder	7440-06-4	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.
Palladium powder	7440-05-3	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.
Palladium dihydroxide	12135-22-7	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C.	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.
Palladium di(4-oxopent-2-en-2-oate)	14024-61-4	Unpublished PMC data	1L of media (0.07N HCl): 5.9 ml of concentrate Hydrochloric Acid (36.5% m/m) in 1L of d.i. water. The pH is adjusted to 1.5 with sodium hydroxide. Temperature 37 °C ± 1 °C	0.2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm. Orbital shaker with temperature and speed control capacity and a cycle diameter of 1.4 cm.

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Silver powder	7440-22-4	Unpublished PMC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Silver powder (nanometer range)	7440-22-4	Unpublished PMC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Disilver oxide	20667-12-3	Unpublished PMC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Silver nitrate	7761-88-8	Unpublished PMC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Gold powder	7440-57-5	Unpublished PMC data	1 g/L HCl, pH 1.5-1.6	2 and 24 hours, 0.1 g/L, agitation Stuart shaker incubator S180, bilinear (25 cycles per minute)
Rhenium powder	7440-15-5	Unpublished PMC data	0.07N HCl, pH 1.5	2 hours, 0.2 g/L, orbital shaker (171 rpm, 1 hour with agitation, 1 hour without)
Molybdenum metal	7439-98-7	Molybdenum Consortium data, published by Mörsdorf et al. (2015)	4 g/L HCl (25%), pH 1.7	2 and 24 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Ferromolybdenum alloy	94277-04-0			
Iron metal	7439-89-6			
Molybdenum (IV) Oxide	18868-43-4			
Molybdenum (VI) Oxide	1313-27-5			
High purity silicon	7440-21-3	Herting et al. (2014)	10 g/L HCl, pH 1.7	2, 4, 8, 24, 168 hours, 0.1 g/L, agitation Stuart platform rocker incubator, bilinear (25 cycles per minute)
Low purity silicon				
Ferrosilicon alloy	8049-17-0			
Aluminium silicate	12141-46-7			
Chromium metal powder	7440-47-3	Jiang et al. (2012)	10 g/L HCl, pH 1.7	2, 4, 8, 24, 168 hours, 0.1 g/L, agitation Stuart platform rocker
Chromium carbide powder	12012-35-0			

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Chromium nitride powder	24094-93-7			incubator, bilinear (25 cycles per minute)
Titanium dioxide powder	13463-67-7	Hedberg et al. (2012)	4 g/L of 25% HCl, pH 1.67	2 and 24 hours, 0.1 g/L
Zircon powder	10101-52-7			
Nickel metal powder	7440-02-0	Hedberg et al. (2016)	4 g/L of 25% HCl, pH 1.7	2, 4, 8, 24, 168 hours, 0.1 g/L
Chromium metal powder	7440-47-3			
Iron metal powder	7439-89-6			
Inconel alloy 718 powder	N/A			
Stainless steel grade AISI 316L powders	N/A			
Carbon steel	N/A	Hillwalker and Anderson (2014)	0.07N HCl, pH 1.2 at 37C and 0.07N HCl + 30.03 g glycine/L, pH 1.2 at 37C	2 and 72 hours. 2 g/L, Mixture placed on orbital shaker bath set at 100 oscillations min/min (3 cm x 3 cm stroke path)
SS304L	N/A			
SS304	N/A			
SS316	N/A			
Inconel (Ni-Cr)	N/A			
Monel (Ni-Cu)	N/A			
Co metal	7440-48-4			
Mn metal	7439-96-5			
Ni metal	7440-02-0			
Cu metal massive (wire)	7440-50-8	Unpublished ECI data (2010) CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 0.1, 0.25, and 0.77 g/L (surface equivalent)
Cuprous Chloride	7758-89-6	Unpublished ECI data (2010)	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
		CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).		of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Cupric Oxide (CuO)	1317-38-0	Unpublished ECI data (2010) CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Cupric sulphate pentahydrate	7758-99-8	Unpublished ECI data (2010) CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Nickel sulphate hexahydrate	10101-97-0	Unpublished ECI data (2010) CIMM (2010). Copper and copper compounds: Bioelution in gastric	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions).

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
		mimetic fluids. Report to European Copper Institute (unpublished).		Loading: 2 g/L
Disodium hydrogen arsenate heptahydrate		CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Lead diacetate trihydrate		CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Zinc chloride anhydrous		CIMM (2010). Copper and copper compounds: Bioelution in gastric mimetic fluids. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation at agitation rate of 171 rpm (orbital shaker, with a cycle diameter of 1.4 cm) and 1 hour of static conditions). Loading: 2 g/L
Pb metal massive (polished disc)	7439-92-1	CIMM (2015). Bioelution Studies in Gastric Mimetic Fluid of Copper Alloys and Lead in massive forms. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation and 1 hour of static conditions). Loading: 0.2 g/L and 5.3 g/L (surface equivalent)

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Pb metal powder	7439-92-1	CIMM (2015). Bioelution Studies in Gastric Mimetic Fluid of Copper Alloys and Lead in massive forms. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation and 1 hour of static conditions). Loading: 0.2 g/L
Lead acetate trihydrate	6080-56-4	CIMM (2015). Bioelution Studies in Gastric Mimetic Fluid of Copper Alloys and Lead in massive forms. Report to European Copper Institute (unpublished).	0.07N HCl at pH 1.5 and at 37°C	Duration: 2 hours (1 hour of agitation and 1 hour of static conditions). Loading: 0.2 g/L
Indium	7440-74-6	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Indium chloride	54097-72-2	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Indium nitrate	13770-61-1	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Indium oxide	1312-43-2	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Indium hydroxide	20661-21-6	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Indium sulphide	12030-24-9	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Indium cake	69029-48-7	Unpublished IZA data (2014)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Germanium	7440-56-4	Unpublished IZA data (2014)	0.07N HCl pH 1.2 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Germanium dioxide	1310-53-8	Unpublished IZA data (2015)	0.07N HCl pH 1.2 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc Nitrate Hexahydrate	7779-88-6	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc Chloride anhydrous	7646-85-7	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Zinc Sulfate Monohydrate	7733-02-0	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc Bis(Dihydrogen phosphate) Dihydrate	13598-37-3	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Diammonium Tetrachlorozincate(2-)	14639-97-5	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc oxide	1314-13-2	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc hydroxide	20427-58-1	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Trizincbis(orthophosphate)	7779-90-0	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Carbonic acid, zinc salt, basic	51839-25-9	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Slags, lead-zinc smelting	93763-87-2	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc metal	7440-66-6	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc sulphide	1314-98-3	Unpublished IZA data (2017)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium telluride	1306-25-8	Unpublished IZA data (2013)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium sulfoselenide red	58339-34-7	Unpublished IZA data (2013)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium zinc sulfide yellow	8048-07-5	Unpublished IZA data (2013)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 171 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium nitrate tetrahydrate	10022-68-1	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Cadmium dichloride	10108-64-2	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium(II) sulfate	10124-36-4	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium(II) hydroxide	21041-95-2	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium(II) carbonate	93820-02-1	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium oxide	1306-19-0	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium	7440-43-9	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Cadmium sulfide	1306-23-6	Unpublished IZA data (2018)	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours. 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm)
Zinc metal, massive	7440-66-6	Unpublished IZA data (2014)		

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Lead metal, massive	7439-92-1	Unpublished IZA data (2017) ECTX Study X02a-058	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours, 0.2 g/L, Mixture placed on a temperature controlled orbital shaker at 71 rpm for 1h (orbital size: 1 inch, 2.54 cm) + 1h not shaken
Zn-0.5%Pb metal, massive	7440-66-6	Unpublished IZA data (2017) ECTX Study X02a-142	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours, 2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm) + 1h not shaken
Zn-0.85%Pb metal, massive	7440-66-6	Unpublished IZA data (2017) ECTX Study X02a-143	0.07N HCl pH 1.5 ± 0.1 at 37°C ± 1°C →7.41mL/L HCl (30%)	2 hours, 2 g/L, Mixture placed on a temperature controlled orbital shaker at 100 rpm for 1h (orbital size: 1 inch, 2.54 cm) + 1h not shaken
Ferro-chromium alloy	NA	Midander et al. (2010)	4 g/L of 25% HCl, pH 1.5	2, 4, 8, 24, 168 hours, 0.1 g/L, Stuart platform rocker S 180 incubator, with bilinear shaking of 25 cycles per min.
SS316L alloy	NA	Hedberg and Midander (2014)	4 g/L of 25% HCl, pH 1.5	0.5 hours, 1.5 g/L (dynamic)
Zirconium praseodymium yellow zircon	68187-15-5	Unpublished IPC data, 2010.	4 g/L of 25% HCl, pH 1.6, 37°C (ASTM D5517, 2003)	2h, 24h, 0.1 g/l Platform-Rocker incubator SI80: gently shaken (bi-linearly): 25 cycles per min
Antimony nickel titanium oxide yellow	8007-18-9	Unpublished IPC data	Unknown (report unavailable)	2h, 24h, 0.1 g/l
Chrome antimony titanium buff rutile	68186-90-3	Unpublished IPC data	Unknown (report unavailable)	2h, 24h, 0.1 g/l

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Cobalt zinc aluminate blue spinel	68186-87-8	Unpublished IPC data, 2010	4 g/L of 25% HCl, pH 1.6, 37°C (ASTM D5517, 2003)	2h, 24h, 0.1 g/l Platform-Rocker incubator SI80: gently shaken (bi-linearly): 25 cycles per min
Chromium iron oxide	12737-27-8	Unpublished IPC data, 2010	29.5 ml HCl (acc. to Stopford 2003), pH 1.5 20 -25°C	2h, 24h, 0.1 g/l Mechanical shaker, IKA KS 4000 I control: 100rpm
Manganese alumina pink corundum	68186-99-2	Unpublished IPC data, 2010	4 g/L of 25% HCl, pH 1.7 37°C (ASTM D5517, 2003)	2h, 24h, 0.1 g/ Platform-Rocker incubator SI80: gently shaken (bi-linearly): 25 cycles per min
Hematite, chromium green black	68909-79-5	Unpublished IPC data, 2010	5.9 ml HCl 30% v/v /L (acc. To Stopford 2003), pH 1.5, 20- 25°C	2h, 24h, 0.1 g/l Mechanical shaker, IKA KS 4000 I control: 100rp
Pyrochlore, antimony lead yellow	8012-00-8	Unpublished IPC data, 2010	4 g/L of 25% HCl, pH 1.6, 37°C (ASTM D5517, 2003)	2h, 24h, 0.1 g/l Platform-Rocker incubator SI80: gently shaken (bi-linearly): 25 cycles per min
Reaction mass of fumes, silica and diiron trioxide	68187-15-5	Unpublished IPC data, 2010	4 g/L of 25% HCl, pH 1.6, 37°C (ASTM D5517, 2003)	2h, 24h, 0.1 g/l Platform-Rocker incubator SI80: gently shaken (bi-linearly): 25 cycles per min
Silicic acid, zirconium salt, cadmium pigment-encapsulated	102184-95-2	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l, Shaking incubation cabinet, INFORS AG: 100 rpm
Zirconium Vanadium blue zircon	68186-95-8	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l, Shaking incubation cabinet, INFORS AG: 100 rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Zirconium iron pink zircon	68412-79-3	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l, Shaking incubation cabinet, INFORS AG: 100 rpm
Chrome tin pink sphene	68187-12-2	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l, Shaking incubation cabinet, INFORS AG: 100 rpm
Vanadium zirconium yellow baddeleyite	68187-01-9	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l, Shaking incubation cabinet, INFORS AG: 100 rpm
Olivine, cobalt silicate blue	68187-40-6	Unpublished IPC data, 2011	5.9 ml HCl 30% v/v /L (acc. To Stopford 2003), pH 1.5, 20°C	2h, 24h, 0.1 g/l Mechanical shaker, IKA KS 4000 I control: 100rpm
Zinc iron chromite brown spinel	68186-88-9	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Iron cobalt chromite black spinel	68186-97-0	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Cobalt chromite blue green spinel	68187-11-1	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Nickel iron chromite black spinel	71631-15-7	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Cobalt aluminate blue spinel	1345-16-0	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Copper chromite black spinel	68186-91-4	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Spinels, chromium iron manganese brown.	68555-06-6	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Reaction mass of willemite, white and zinc iron chromite brown spinel	1373399-58-6	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Cobalt titanite green spinel	68186-85-6	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Cobalt chromite green spinel	68187-49-5	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Tin antimony grey cassiterite	68187-54-2	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Chrome tin orchid cassiterite	68187-53-1	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Zircon, cadmium yellow	72968-34-4	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Cobalt zinc silicate blue phenacite	68412-74-8	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Magnesium ferrite	12068-86-9	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Spinels, cobalt tin grey	68187-05-3	Unpublished IPC data, 2013	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Titanium, iron and aluminium pseudobrookite and rutile	-	Unpublished IPC data, 2018	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Chromium, iron, titanium and zinc spinel and rutile	-	Unpublished IPC data, 2018	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2h, 24h, 0.1 g/l Shaking incubation cabinet, INFORS AG: 100 rpm
Pseudobrookite	1310-39-0	Unpublished IPC data, 2016	5.9 ml HCl 30% v/v /L (acc. to Stopford 2003), pH 1.5, 37°C	2h, 24h, 0.1 g/l Mechanical shaker, IKA KS 4000 I control: 100rpm
Cobalt titanite green spinel - I	68186-85-6	Unpublished BROLL data, 2014-18;	ASTM D5517	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Cobalt titanite green spinel – II	68186-85-6	Unpublished BROLL data, 2014-18;	ASTM D5517	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Cobalt titanite green spinel - III	68186-85-6	Unpublished BROLL data, 2014-18;	ASTM D5517	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Glass oxide, chemicals I	65997-17-3	Unpublished SCHOTT AG report, 2013-10	ASTM D5517	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Glass oxide, chemicals II	65997-17-3	Unpublished SCHOTT AG report, 2013-10	ASTM D5517	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Boron (elemental, powder)	7440-42-8	Unpublished BC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Ferroboron (alloy powder)	7439-89-6 (Fe) and 7440-42-8 (B)	Unpublished BC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Cobaltboron (alloy powder)	7440-48-4 (Co) and 7440-42-8 (B)	Unpublished BC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Nickelboron (alloy powder)	7440-02-0 (Ni) and 7440-42-8 (B)	Unpublished BC data	1 g/L HCl, pH 1.5-1.6 (ASTM D5517)	2 and 24h; 0.1 g/L; Shaking incubation cabinet, INFORS AG, Bottmingen. Temperature adjusted to 37°C ± 2°C: 100rpm
Iron hydroxide oxide yellow	51274-00-1	Unpublished Iron Platform Services Ltd./ Iron Oxides REACH Registration Consortium data, 2018	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L Shaking incubation cabinet, INFORS AG: 100 rpm
Diiron trioxide	1309-37-1	Unpublished Iron Platform Services Ltd./ Iron Oxides REACH	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L Shaking incubation cabinet, INFORS AG: 100 rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
		Registration Consortium data, 2018		
Diiron trioxide	1309-37-1	Unpublished Iron Platform Services Ltd./ Iron Oxides REACH Registration Consortium data, 2018	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L Shaking incubation cabinet, INFORS AG: 100 rpm
Triiron tetraoxide	1317-61-9	Unpublished Iron Platform Services Ltd./ Iron Oxides REACH Registration Consortium data, 2018	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L Shaking incubation cabinet, INFORS AG: 100 rpm
Arsenic	7440-38-2	REACH Consortium Arsenic and Arsenic compounds, 2012	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet INFORS AG: 100 rpm
Titanium dioxide (Anatase, E171-A)	13463-67-7	Unpublished TDMA/TDIC data, 2015	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm
Titanium dioxide (Anatase, E171-B)	13463-67-7	Unpublished TDMA/TDIC data, 2015	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm
Titanium dioxide (Rutile, E171-C)	13463-67-7	Unpublished TDMA/TDIC data, 2015	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm
Titanium dioxide (Anatase, E171-D)	13463-67-7	Unpublished TDMA/TDIC data, 2016	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm
Titanium dioxide (Anatase, UF-E)	13463-67-7	Unpublished TDMA/TDIC data, 2016	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Titanium dioxide (Rutile, UF-F)	13463-67-7	Unpublished TDMA/TDIC data, 2016	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Shaking incubation cabinet, INFORS AG: 100 rpm
Antimony metal (powder)	7440-36-0	Unpublished i2a data (2010)	4 g/L 25% HCl, pH 1.6, 37°C°C ± 1 °C (ASTM D5517, 2003).	0.2 g/L sample loading.2h ((1 hour shaking at 100 rpm and 1 hour settling). 0.1 g/L; Platform-Rocker incubator SI 80: 25 cycles per min.
Antimony metal (powder)	7440-36-0	Unpublished i2a data (2010)	Artificial gastric fluid, pH 1.6, was prepared according to the ASTM standard using 4 g of 25% HCl solution diluted with ultra-pure water to 1 L (ASTM D5517, 2003). Temperature 37 ± 2°C.	2h – 24h. 0.1 g/L standard loading. Gentle shake of solution (bi-linearly) with an intensity of 25 cycles per minute for 2 and 24 hours.
Antimony trioxide (SIC) Antimony trioxide (SHM) Antimony trioxide (CPM)	1309-64-4	Unpublished i2a data (2009)	4 g/L 25% HCl, pH 1.5 ± 0.1. Temperature 37 °C ± 1 °C.(ASTM D5517, 2003)	0.2 g/L sample loading. 2h ((1 hour shaking at 100 rpm and 1 hour settling). Merck mini incubator: gently shaken (bi-linearly): 25 cycles per min.
Antimony trisulfide	1345-04-6	Unpublished i2a data (2010)	4 g/L 25% HCl, pH 1. .5 ± 0.1, 37°C± 1 °C. (ASTM D5517, 2003)	2, 24 hours; 0.1 g/L; Platform-Rocker incubator SI 80: 25 cycles per min
Diantimony tris(ethylene glycolate)	29736-75-2	Unpublished i2a data (2010)	4 g/L 25% HCl, pH 1. .5 ± 0.1, 37°C (ASTM D5517, 2003) Temperature 37 °C ± 1 °C.	2, 24 hours; 0.1 g/L; Platform-Rocker incubator SI 80: 25 cycles per min

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Sodium hexahydroxoantimonate	33908-66-6	Unpublished i2a data (2010)	4 g/L 25% HCl, pH 1. .5 ± 0.1, 37°C (ASTM D5517, 2003) Temperature 37 °C ± 1 °C.	2, 24 hours; 0.1 g/L; Platform-Rocker incubator SI 80: 25 cycles per min
Aluminium - lead alloy massive (0.1%Pb)		Unpublished data (2014)	0.07N HCl was prepared according to recipe 63 of SOP AB-09 (recipe book). The pH of the medium was brought to pH 1.5 ± 0.1, using 10N NaOH. Temperature 37 °C ± 1 °C.	0.2 g/L & 2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm (temperature controlled orbital laboratory shaker).
Aluminium - lead alloy massive (0.35%Pb)		Unpublished data (2014)	0.07N HCl was prepared according to recipe 63 of SOP AB-09 (recipe book). The pH of the medium was brought to pH 1.5 ± 0.1, using 10N NaOH. Temperature 37 °C ± 1 °C.	0.2 g/L & 2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm (temperature controlled orbital laboratory shaker).
Aluminium - lead alloy massive (0.72%Pb)		Unpublished data (2014)	0.07N HCl was prepared according to recipe 63 of SOP AB-09 (recipe book). The pH of the medium was brought to pH 1.5 ± 0.1, using 10N NaOH. Temperature 37 °C ± 1 °C	0.2 g/L & 2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm (temperature controlled orbital laboratory shaker).
Aluminium - lead alloy massive (0.77%Pb)		Unpublished data (2014)	0.07N HCl was prepared according to recipe 63 of SOP AB-09 (recipe book). The pH of the medium was brought to pH 1.5 ± 0.1, using 10N NaOH. Temperature 37 °C ± 1 °C	0.2 g/L and 2 g/L sample loading. 2h (1h with agitation + 1 h without agitation) Agitation rate set to 171 rpm (temperature controlled orbital laboratory shaker).

Test Material	CAS No	Study/Reference	Gastric fluid composition	Incubation duration and loading
Vanadium	7440-62-2	Unpublished VC data, 2010	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; laboratory shaker in incubation chamber (Multitron, Infors AG): 100 rpm
Divanadium pentaoxide	1314-62-1	Unpublished VC data, 2010	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; laboratory shaker in incubation chamber (Multitron, Infors AG): 100 rpm
Vanadium oxide sulfate	27774-13-6	Unpublished VC data, 2010	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Gerhard Laboshake RO 500 in thermostatically controlled room: 100 rpm
Divanadium trioxide	1314-34-7	Unpublished VC data, 2010	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Gerhard Laboshake RO 500 in thermostatically controlled room: 100 rpm
Sodium metavanadate	13718-26-8	Unpublished VC data, 2010	1 g/L HCl, pH 1.5-1.6, 37°C (ASTM D5517)	2, 24 hours; 0.1 g/L; Gerhard Laboshake RO 500 in thermostatically controlled room: 100 rpm

N/A, not applicable; PMC (Precious Metals Consortium); ECI (European Copper Institute); IZA (International Zinc Association), IPC: Inorganic Pigments Consortium, TDMA (Titanium Dioxide Manufacturers Association). i2a (International Antimony Association); VC Vanadium Consortium; TDIC Titanium Dioxide Industry Consortium