Symbol	Typ	Titel
G	**Sektion**	**PHYSICS**
G01	**Untersektion**	**INSTRUMENTS**
G01	**Klasse**	**MEASURING (counting G06M); TESTING**
G01N	**Unterklasse**	**INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES (separating components of materials in general B01D , B01J , B03 , B07; apparatus fully provided for in a single other subclass, see the relevant subclass, e.g. B01L; measuring or testing processes other than immunoassay, involving enzymes or micro-organisms C12M , C12Q; investigation of foundation soil in situ E02D 1/00; monitoring or diagnostic devices for exhaust-gas treatment apparatus F01N 11/00; sensing humidity changes for compensating measurements of other variables or for compensating readings of instruments for variations in humidity, see G01D or the relevant subclass for the variable measured; testing or determining the properties of structures G01M; measuring or investigating electric or magnetic properties of materials G01R; systems in general for determining distance, velocity or presence by use of propagation effects, e.g. Doppler effect, propagation time, of reflected or reradiated radio waves, analogous arrangements using other waves G01S; determining sensitivity, graininess, or density of photographic materials G03C 5/02; testing component parts of nuclear reactors G21C 17/00)**
G01N 1/00	**Hauptgruppe**	**Sampling; Preparing specimens for investigation (handling materials for automatic analysis G01N 35/00)**
G01N 1/02	1-Punkt Untergruppe	. Devices for withdrawing samples (for medical or veterinary purposes A61; obtaining samples of soil or well fluids E21B 49/00)
G01N 1/04	2-Punkt Untergruppe	. . in the solid state, e.g. by cutting
G01N 1/06	3-Punkt Untergruppe	. . . providing a thin slice, e.g. microtome
G01N 1/08	3-Punkt Untergruppe	. . . involving an extracting tool, e.g. core bit
G01N 1/10	2-Punkt Untergruppe	. . in the liquid or fluent state
G01N 1/12	3-Punkt Untergruppe	. . . Dippers; Dredgers (suction dredgers E02F 3/88) [5]
G01N 1/14	3-Punkt Untergruppe	. . . Suction devices, e.g. pumps; Ejector devices
G01N 1/16	3-Punkt Untergruppe	. . . with provision for intake at several levels (G01N 1/12 , G01N 1/14 take precedence)
G01N 1/18	3-Punkt Untergruppe	. . . with provision for splitting samples into portions (G01N 1/12 , G01N 1/14 take precedence; fraction-collection apparatus for chromatography B01D 15/08)
G01N 1/20	3-Punkt Untergruppe	. . . for flowing or falling materials (G01N 1/12 , G01N 1/14 take precedence)
G01N 1/22	2-Punkt Untergruppe	. . in the gaseous state
G01N 1/24	3-Punkt Untergruppe	. . . Suction devices
G01N 1/26	3-Punkt Untergruppe	. . . with provision for intake from several spaces
G01N 1/28	1-Punkt Untergruppe	. Preparing specimens for investigation (mounting specimens on microscopic slides G02B 21/34; means for supporting the objects or the materials to be analysed in electron microscopes H01J 37/20)
G01N 1/30	2-Punkt Untergruppe	. . Staining; Impregnating
G01N 1/31	3-Punkt Untergruppe	. . . Apparatus therefor [6]
G01N 1/32	2-Punkt Untergruppe	. . Polishing; Etching
G01N 1/34	2-Punkt Untergruppe	. . Purifying; Cleaning

Symbol	Typ	Titel
G01N 1/36	2-Punkt Untergruppe	. . Embedding or analogous mounting of samples [6]
G01N 1/38	2-Punkt Untergruppe	. . Diluting, dispersing or mixing samples [6]
G01N 1/40	2-Punkt Untergruppe	. . Concentrating samples [6]
G01N 1/42	2-Punkt Untergruppe	. . Low-temperature sample treatment, e.g. cryofixation [6]
G01N 1/44	2-Punkt Untergruppe	. . Sample treatment involving radiation, e.g. heat [6]
G01N 3/00	**Hauptgruppe**	**Investigating strength properties of solid materials by application of mechanical stress (strain gauges G01B; measuring stress in general G01L 1/00)**
G01N 3/02	1-Punkt Untergruppe	. Details
G01N 3/04	2-Punkt Untergruppe	. . Chucks
G01N 3/06	2-Punkt Untergruppe	. . Special adaptations of indicating or recording means
G01N 3/08	1-Punkt Untergruppe	. by applying steady tensile or compressive forces (G01N 3/28 takes precedence)
G01N 3/10	2-Punkt Untergruppe	. . generated by pneumatic or hydraulic pressure (G01N 3/18 takes precedence)
G01N 3/12	3-Punkt Untergruppe	. . . Pressure-testing (testing fluid-tightness G01M 3/00)
G01N 3/14	2-Punkt Untergruppe	. . generated by dead weight, e.g. pendulum; generated by spring tension (G01N 3/18 takes precedence)
G01N 3/16	2-Punkt Untergruppe	. . applied through gearing (G01N 3/18 takes precedence)
G01N 3/18	2-Punkt Untergruppe	. . Performing tests at high or low temperatures
G01N 3/20	1-Punkt Untergruppe	. by applying steady bending forces (G01N 3/26 , G01N 3/28 take precedence)
G01N 3/22	1-Punkt Untergruppe	. by applying steady torsional forces (G01N 3/26 , G01N 3/28 take precedence)
G01N 3/24	1-Punkt Untergruppe	. by applying steady shearing forces (G01N 3/26 , G01N 3/28 take precedence)
G01N 3/26	1-Punkt Untergruppe	. Investigating twisting or coiling properties
G01N 3/28	1-Punkt Untergruppe	. Investigating ductility, e.g. suitability of sheet metal for deep-drawing or spinning
G01N 3/30	1-Punkt Untergruppe	. by applying a single impulsive force (investigating hardness by performing impressions under impulsive load G01N 3/48)
G01N 3/303	*2-Punkt Untergruppe*	*. . generated only by free-falling weight [7]*
G01N 3/307	*2-Punkt Untergruppe*	*. . generated by a compressed or tensile-stressed spring ; generated by pneumatic or hydraulic means [7]*
G01N 3/31	*2-Punkt Untergruppe*	*. . generated by a rotating fly-wheel [7]*
G01N 3/313	*2-Punkt Untergruppe*	*. . generated by explosives [7]*
G01N 3/317	*2-Punkt Untergruppe*	*. . generated by electromagnetic means [7]*
G01N 3/32	1-Punkt Untergruppe	. by applying repeated or pulsating forces (generation of such forces in general, see the relevant classes or subclasses, e.g. B06 , G10)
G01N 3/34	2-Punkt Untergruppe	. . generated by mechanical means, e.g. hammer blows
G01N 3/36	2-Punkt Untergruppe	. . generated by pneumatic or hydraulic means
G01N 3/38	2-Punkt Untergruppe	. . generated by electromagnetic means
G01N 3/40	1-Punkt Untergruppe	. Investigating hardness or rebound hardness

Symbol	Typ	Titel
G01N 3/42	2-Punkt Untergruppe	. . by performing impressions under a steady load by indentors, e.g. sphere, pyramid (G01N 3/54 takes precedence)
G01N 3/44	3-Punkt Untergruppe	. . . the indentors being put under a minor load and a subsequent major load, i.e. Rockwell system
G01N 3/46	3-Punkt Untergruppe	. . . the indentors performing a scratching movement
G01N 3/48	2-Punkt Untergruppe	. . by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence)
G01N 3/50	2-Punkt Untergruppe	. . by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence)
G01N 3/52	2-Punkt Untergruppe	. . by measuring extent of rebound of a striking body (G01N 3/54 takes precedence)
G01N 3/54	2-Punkt Untergruppe	. . Performing tests at high or low temperatures
G01N 3/56	1-Punkt Untergruppe	. Investigating resistance to wear or abrasion
G01N 3/58	1-Punkt Untergruppe	. Investigating machinability by cutting tools; Investigating the cutting ability of tools
G01N 3/60	1-Punkt Untergruppe	. Investigating resistance of materials, e.g. refractory materials, to rapid heat changes
G01N 3/62	1-Punkt Untergruppe	. Manufacturing, calibrating, or repairing devices used in investigations covered by the preceding subgroups
G01N 5/00	**Hauptgruppe**	**Analysing materials by weighing, e.g. weighing small particles separated from a gas or liquid (G01N 9/00 takes precedence)**
G01N 5/02	1-Punkt Untergruppe	. by absorbing or adsorbing components of a material and determining change of weight of the adsorbent, e.g. determining moisture content
G01N 5/04	1-Punkt Untergruppe	. by removing a component, e.g. by evaporation, and weighing the remainder
G01N 7/00	**Hauptgruppe**	**Analysing materials by measuring the pressure or volume of a gas or vapour**
G01N 7/02	1-Punkt Untergruppe	. by absorption, adsorption, or combustion of components and measurement of the change in pressure or volume of the remainder
G01N 7/04	2-Punkt Untergruppe	. . by absorption or adsorption alone
G01N 7/06	2-Punkt Untergruppe	. . by combustion alone
G01N 7/08	2-Punkt Untergruppe	. . by combustion followed by absorption or adsorption of the combustion products
G01N 7/10	1-Punkt Untergruppe	. by allowing diffusion of components through a porous wall and measuring a pressure or volume difference
G01N 7/12	2-Punkt Untergruppe	. . the diffusion being followed by combustion or catalytic oxidation
G01N 7/14	1-Punkt Untergruppe	. by allowing the material to emit a gas or vapour, e.g. water vapour, and measuring a pressure or volume difference
G01N 7/16	2-Punkt Untergruppe	. . by heating the material
G01N 7/18	2-Punkt Untergruppe	. . by allowing the material to react
G01N 7/20	3-Punkt Untergruppe	. . . the reaction being fermentation
G01N 7/22	4-Punkt Untergruppe	. . . . of dough
G01N 9/00	**Hauptgruppe**	**Investigating density or specific gravity of materials; Analysing materials by determining density or specific gravity (weighing apparatus G01G)**
G01N 9/02	1-Punkt Untergruppe	. by measuring weight of a known volume
G01N 9/04	2-Punkt Untergruppe	. . of fluids
G01N 9/06	3-Punkt Untergruppe	. . . with continuous circulation through a pivotally-supported member

Symbol	Typ	Titel
G01N 9/08	1-Punkt Untergruppe	. by measuring buoyant force of solid materials by weighing both in air and in a liquid
G01N 9/10	1-Punkt Untergruppe	. by observing bodies wholly or partially immersed in fluid materials
G01N 9/12	2-Punkt Untergruppe	. . by observing the depth of immersion of the bodies, e.g. hydrometers
G01N 9/14	3-Punkt Untergruppe	. . . the body being built into a container
G01N 9/16	3-Punkt Untergruppe	. . . the body being pivoted
G01N 9/18	3-Punkt Untergruppe	. . . Special adaptations for indicating, recording, or control
G01N 9/20	2-Punkt Untergruppe	. . by balancing the weight of the bodies
G01N 9/22	3-Punkt Untergruppe	. . . with continuous circulation of the fluid
G01N 9/24	1-Punkt Untergruppe	. by observing the transmission of wave or particle radiation through the material
G01N 9/26	1-Punkt Untergruppe	. by measuring pressure differences
G01N 9/28	2-Punkt Untergruppe	. . by measuring the blowing pressure of gas bubbles escaping from nozzles at different depths in a liquid
G01N 9/30	1-Punkt Untergruppe	. by using centrifugal effects
G01N 9/32	1-Punkt Untergruppe	. by using flow properties of fluids, e.g. flow through tubes or apertures
G01N 9/34	2-Punkt Untergruppe	. . by using elements moving through the fluid, e.g. vane
G01N 9/36	1-Punkt Untergruppe	. Analysing materials by measuring the density or specific gravity, e.g. determining quantity of moisture (methods of measurement in general G01N 9/02 to G01N 9/32)
G01N 11/00	**Hauptgruppe**	**Investigating flow properties of materials, e.g. viscosity, plasticity; Analysing materials by determining flow properties**
G01N 11/02	1-Punkt Untergruppe	. by measuring flow of the material
G01N 11/04	2-Punkt Untergruppe	. . through a restricted passage, e.g. tube, aperture
G01N 11/06	3-Punkt Untergruppe	. . . by timing the outflow of a known quantity
G01N 11/08	3-Punkt Untergruppe	. . . by measuring pressure required to produce a known flow
G01N 11/10	1-Punkt Untergruppe	. by moving a body within the material
G01N 11/12	2-Punkt Untergruppe	. . by measuring rising or falling speed of the body; by measuring penetration of wedged gauges (G01N 11/16 takes precedence)
G01N 11/14	2-Punkt Untergruppe	. . by using rotary bodies, e.g. vane (G01N 11/16 takes precedence)
G01N 11/16	2-Punkt Untergruppe	. . by measuring damping effect upon oscillatory body
G01N 13/00	***Hauptgruppe***	***Investigating surface or boundary effects, e.g. wetting power ; Investigating diffusion effects ; Analysing materials by determining surface, boundary, or diffusion effects ; Investigating or analysing surface structures in atomic ranges [1, 7]***
G01N 13/02	1-Punkt Untergruppe	. Investigating surface tension of liquids
G01N 13/04	1-Punkt Untergruppe	. Investigating osmotic effects
G01N 13/10	*1-Punkt Untergruppe*	*. Investigating or analysing surface structures in atomic ranges using scanning-probe techniques (by measuring secondary emission G01N 23/22 ; dimensional measurement using scanning-probe techniques G01B ; details of scanning-probe apparatus, in general G12B 21/00) [7]*
G01N 13/12	*2-Punkt Untergruppe*	*. . using scanning tunnelling microscopy (STM) [7]*

Symbol	Typ	Titel
G01N 13/14	*2-Punkt Untergruppe*	*. . using scanning near-field optical microscopy (SNOM) [7]*
G01N 13/16	*2-Punkt Untergruppe*	*. . using atomic force microscopy (AFM) [7]*
G01N 13/18	*2-Punkt Untergruppe*	*. . using scanning ion-conductance microscopy (SICM) [7]*
G01N 13/20	*2-Punkt Untergruppe*	*. . using scanning capacitance microscopy (SCM) [7]*
G01N 13/22	*2-Punkt Untergruppe*	*. . using magnetic force microscopy (MFM) [7]*
G01N 13/24	*2-Punkt Untergruppe*	*. . using scanning electrochemical microscopy [7]*
G01N 15/00	**Hauptgruppe**	**Investigating characteristics of particles; Investigating permeability, pore-volume or surface-area of porous materials (identification of micro-organisms C12Q) [4]**
G01N 15/02	1-Punkt Untergruppe	. Investigating particle size or size distribution (G01N 15/04 , G01N 15/10 take precedence; by measuring osmotic pressure G01N 7/10; by filtering B01D; by sifting B07B) [4]
G01N 15/04	1-Punkt Untergruppe	. Investigating sedimentation of particle suspensions
G01N 15/05	2-Punkt Untergruppe	. . in blood [4]
G01N 15/06	1-Punkt Untergruppe	. Investigating concentration of particle suspensions (G01N 15/04 , G01N 15/10 take precedence; by weighing G01N 5/00) [3]
G01N 15/08	1-Punkt Untergruppe	. Investigating permeability, pore volume, or surface area of porous materials
G01N 15/10	1-Punkt Untergruppe	. Investigating individual particles [4]
G01N 15/12	2-Punkt Untergruppe	. . Coulter-counters [4]
G01N 15/14	2-Punkt Untergruppe	. . Electro-optical investigation [4]
G01N 17/00	**Hauptgruppe**	**Investigating resistance of materials to the weather, to corrosion, or to light**
G01N 17/02	1-Punkt Untergruppe	. Electrochemical measuring systems for weathering, corrosion or corrosion-protection measurement (G01N 17/04 takes precedence) [5]
G01N 17/04	1-Punkt Untergruppe	. Corrosion probes [5]
G01N 19/00	**Hauptgruppe**	**Investigating materials by mechanical methods (G01N 3/00 to G01N 17/00 take precedence)**
G01N 19/02	1-Punkt Untergruppe	. Measuring coefficient of friction between materials
G01N 19/04	1-Punkt Untergruppe	. Measuring adhesive force between materials, e.g. of sealing tape, of coating
G01N 19/06	1-Punkt Untergruppe	. Investigating by removing material, e.g. spark-testing
G01N 19/08	1-Punkt Untergruppe	. Detecting presence of flaws or irregularities (measuring roughness or irregularity of surfaces G01B 5/28)
G01N 19/10	1-Punkt Untergruppe	. Measuring moisture content, e.g. by measuring change in length of hygroscopic filament; Hygrometers
G01N 21/00	**Hauptgruppe**	**Investigating or analysing materials by the use of optical means, i.e. using infra-red, visible, or ultra-violet light (G01N 3/00 to G01N 19/00 take precedence; measuring stress in general G01L 1/00; optical elements of measuring instruments G02B; image analysis by data processing G06T)**
G01N 21/01	1-Punkt Untergruppe	. Arrangements or apparatus for facilitating the optical investigation [3]
G01N 21/03	2-Punkt Untergruppe	. . Cuvette constructions [3]
G01N 21/05	3-Punkt Untergruppe	. . . Flow-through cuvettes (G01N 21/09 takes precedence; handling fluid samples G01N 1/10) [3]
G01N 21/07	3-Punkt Untergruppe	. . . Centrifugal type cuvettes (G01N 21/09 takes precedence; centrifuges B04B) [3]
G01N 21/09	3-Punkt Untergruppe	. . . adapted to resist hostile environments or corrosive or abrasive materials [3]

Symbol	Typ	Titel
G01N 21/11	2-Punkt Untergruppe	. . Filling or emptying of cuvettes [3]
G01N 21/13	2-Punkt Untergruppe	. . Moving of cuvettes or solid samples to or from the investigating station [3]
G01N 21/15	2-Punkt Untergruppe	. . Preventing contamination of the components of the optical system or obstruction of the light path [3]
G01N 21/17	1-Punkt Untergruppe	. Systems in which incident light is modified in accordance with the properties of the material investigated (where the material investigated is optically excited causing a change in wavelength of the incident light G01N 21/63) [3]
G01N 21/19	2-Punkt Untergruppe	. . Dichroism [3]
G01N 21/21	2-Punkt Untergruppe	. . Polarisation-affecting properties (G01N 21/19 takes precedence) [3]
G01N 21/23	3-Punkt Untergruppe	. . . Bi-refringence [3]
G01N 21/25	2-Punkt Untergruppe	. . Colour; Spectral properties, i.e. comparison of effect of material on the light at two or more different wavelengths or wavelength bands [3]
G01N 21/27	3-Punkt Untergruppe	. . . using photo-electric detection (G01N 21/31 takes precedence) [3]
G01N 21/29	3-Punkt Untergruppe	. . . using visual detection (G01N 21/31 takes precedence) [3]
G01N 21/31	3-Punkt Untergruppe	. . . Investigating relative effect of material at wavelengths characteristic of specific elements or molecules, e.g. atomic absorption spectrometry [3]
G01N 21/33	4-Punkt Untergruppe	. . . . using ultra-violet light (G01N 21/39 takes precedence) [3]
G01N 21/35	4-Punkt Untergruppe	. . . . using infra-red light (G01N 21/39 takes precedence) [3]
G01N 21/37	5-Punkt Untergruppe	. . . . . using pneumatic detection [3]
G01N 21/39	4-Punkt Untergruppe	. . . . using tunable lasers [3]
G01N 21/41	2-Punkt Untergruppe	. . Refractivity; Phase-affecting properties, e.g. optical path length (G01N 21/21 takes precedence) [3]
G01N 21/43	3-Punkt Untergruppe	. . . by measuring critical angle [3]
G01N 21/45	3-Punkt Untergruppe	. . . using interferometric methods; using Schlieren methods [3]
G01N 21/47	2-Punkt Untergruppe	. . Scattering, i.e. diffuse reflection (G01N 21/25 , G01N 21/41 take precedence) [3]
G01N 21/49	3-Punkt Untergruppe	. . . within a body or fluid [3]
G01N 21/51	4-Punkt Untergruppe	. . . . inside a container, e.g. in an ampoule (G01N 21/53 takes precedence; checking containers for cleanliness B08B 9/46) [3]
G01N 21/53	4-Punkt Untergruppe	. . . . within a flowing fluid, e.g. smoke (alarm devices actuated by smoke G08B 17/10) [3]
G01N 21/55	2-Punkt Untergruppe	. . Specular reflectivity [3]
G01N 21/57	3-Punkt Untergruppe	. . . Measuring gloss [3]
G01N 21/59	2-Punkt Untergruppe	. . Transmissivity (G01N 21/25 takes precedence) [3]
G01N 21/61	3-Punkt Untergruppe	. . . Non-dispersive gas analysers [3]
G01N 21/62	1-Punkt Untergruppe	. Systems in which the material investigated is excited whereby it emits light or causes a change in wavelength of the incident light [3]
G01N 21/63	2-Punkt Untergruppe	. . optically excited [3]
G01N 21/64	3-Punkt Untergruppe	. . . Fluorescence; Phosphorescence [3]

Symbol	Typ	Titel
G01N 21/65	3-Punkt Untergruppe	. . . Raman scattering [3]
G01N 21/66	2-Punkt Untergruppe	. . electrically excited, e.g. electroluminescence [3]
G01N 21/67	3-Punkt Untergruppe	. . . using electric arcs or discharges (spark gaps H01T) [3]
G01N 21/68	3-Punkt Untergruppe	. . . using high frequency electric fields [3]
G01N 21/69	3-Punkt Untergruppe	. . . specially adapted for fluids [3]
G01N 21/70	2-Punkt Untergruppe	. . mechanically excited, e.g. triboluminescence [3]
G01N 21/71	2-Punkt Untergruppe	. . thermally excited [3]
G01N 21/72	3-Punkt Untergruppe	. . . using flame burners [3]
G01N 21/73	3-Punkt Untergruppe	. . . using plasma burners or torches [3]
G01N 21/74	3-Punkt Untergruppe	. . . using flameless atomising, e.g. graphite furnaces [3]
G01N 21/75	1-Punkt Untergruppe	. Systems in which material is subjected to a chemical reaction, the progress or the result of the reaction being investigated (systems in which material is burnt in a flame or plasma G01N 21/72 , G01N 21/73) [3]
G01N 21/76	2-Punkt Untergruppe	. . Chemiluminescence; Bioluminescence [3]
G01N 21/77	2-Punkt Untergruppe	. . by observing the effect on a chemical indicator [3]
G01N 21/78	3-Punkt Untergruppe	. . . producing a change of colour [3]
G01N 21/79	4-Punkt Untergruppe	. . . . Photometric titration [3]
G01N 21/80	4-Punkt Untergruppe	. . . . Indicating pH value [3]
G01N 21/81	4-Punkt Untergruppe	. . . . Indicating humidity [3]
G01N 21/82	3-Punkt Untergruppe	. . . producing a precipitate or turbidity [3]
G01N 21/83	4-Punkt Untergruppe	. . . . Turbidimetric titration [3]
G01N 21/84	1-Punkt Untergruppe	. Systems specially adapted for particular applications [3]
G01N 21/85	2-Punkt Untergruppe	. . Investigating moving fluids or granular solids [3]
G01N 21/86	2-Punkt Untergruppe	. . Investigating moving sheets (G01N 21/89 takes precedence) [3]
G01N 21/87	2-Punkt Untergruppe	. . Investigating jewels (G01N 21/88 takes precedence) [3]
G01N 21/88	2-Punkt Untergruppe	. . Investigating the presence of flaws, defects or contamination [3]
G01N 21/89	*3-Punkt Untergruppe*	*. . . in moving material, e.g. paper, textiles (G01N 21/90 , G01N 21/91 , G01N 21/94 take precedence) [3, 7]*
G01N 21/892	*4-Punkt Untergruppe*	*. . . . characterised by the flaw, defect or object feature examined [7]*
G01N 21/894	*5-Punkt Untergruppe*	*. . . . . Pinholes [7]*
G01N 21/896	*5-Punkt Untergruppe*	*. . . . . Optical defects in or on transparent materials, e.g. distortion, surface flaws [7]*
G01N 21/898	*5-Punkt Untergruppe*	*. . . . . Irregularities in textured or patterned surfaces, e.g. textiles, wood [7]*
G01N 21/90	3-Punkt Untergruppe	. . . in a container or its contents (G01N 21/91 takes precedence) [3]
G01N 21/91	3-Punkt Untergruppe	. . . using penetration of dyes, e.g. fluorescent ink [3]

Symbol	Typ	Titel
G01N 21/93	*3-Punkt Untergruppe*	*. . . Detection standards ; Calibrating [7]*
G01N 21/94	*3-Punkt Untergruppe*	*. . . Investigating contamination, e.g. dust (G01N 21/85 takes precedence) [7]*
G01N 21/95	*3-Punkt Untergruppe*	*. . . characterised by the material or shape of the object to be examined (G01N 21/89 to G01N 21/91 , G01N 21/94 take precedence) [7]*
G01N 21/952	*4-Punkt Untergruppe*	*. . . . Inspecting the exterior surface of cylindrical bodies or wires (G01N 21/956 takes precedence) [7]*
G01N 21/954	*4-Punkt Untergruppe*	*. . . . Inspecting the inner surface of hollow bodies, e.g. bores [7]*
G01N 21/956	*4-Punkt Untergruppe*	*. . . . Inspecting patterns on the surface of objects (contactless testing of electronic circuits G01R 31/308 ; testing currency G07D) [7]*
G01N 21/958	*4-Punkt Untergruppe*	*. . . . Inspecting transparent materials [7]*
G01N 22/00	**Hauptgruppe**	**Investigating or analysing materials by the use of microwaves (G01N 3/00 to G01N 17/00 , G01N 24/00 take precedence) [3]**
G01N 22/02	1-Punkt Untergruppe	. Investigating the presence of flaws [3]
G01N 22/04	1-Punkt Untergruppe	. Investigating moisture content [3]
G01N 23/00	**Hauptgruppe**	**Investigating or analysing materials by the use of wave or particle radiation not covered by group G01N 21/00 or G01N 22/00 , e.g. X-rays, neutrons (G01N 3/00 to G01N 17/00 take precedence; measuring stress in general G01L 1/00; measurement of nuclear or X-radiation G01T; introducing objects or materials into nuclear reactors, or removing them therefrom, or storing them after treatment therein G21C; construction or operation of X-ray apparatus or circuits therefor H05G)**
G01N 23/02	1-Punkt Untergruppe	. by transmitting the radiation through the material
G01N 23/04	2-Punkt Untergruppe	. . and forming a picture (electron microscopes H01J)
G01N 23/05	3-Punkt Untergruppe	. . . using neutrons [3]
G01N 23/06	2-Punkt Untergruppe	. . and measuring the absorption
G01N 23/08	3-Punkt Untergruppe	. . . using electric detection means
G01N 23/083	4-Punkt Untergruppe	. . . . the radiation being X-rays (G01N 23/10 to G01N 23/18 take precedence) [5]
G01N 23/087	5-Punkt Untergruppe	. . . . . using polyenergetic X-rays [5]
G01N 23/09	4-Punkt Untergruppe	. . . . the radiation being neutrons [3]
G01N 23/10	4-Punkt Untergruppe	. . . . the material being confined in a container (G01N 23/09 takes precedence) [3]
G01N 23/12	4-Punkt Untergruppe	. . . . the material being a flowing fluid or a flowing granular solid (G01N 23/09 takes precedence) [3]
G01N 23/14	5-Punkt Untergruppe	. . . . . specially adapted for controlling or monitoring operations or for signalling
G01N 23/16	4-Punkt Untergruppe	. . . . the material being a moving sheet (G01N 23/09 , G01N 23/18 take precedence) [3]
G01N 23/18	4-Punkt Untergruppe	. . . . Investigating the presence of flaws or inclusions (G01N 23/09 takes precedence) [3, 5]
G01N 23/20	1-Punkt Untergruppe	. by using diffraction of the radiation, e.g. for investigating crystal structure; by using reflection of the radiation
G01N 23/201	2-Punkt Untergruppe	. . by measuring small-angle scattering [2]
G01N 23/202	3-Punkt Untergruppe	. . . using neutrons [3]
G01N 23/203	2-Punkt Untergruppe	. . by measuring back scattering [2]
G01N 23/204	3-Punkt Untergruppe	. . . using neutrons [3]

Symbol	Typ	Titel
G01N 23/205	2-Punkt Untergruppe	. . by means of diffraction cameras (G01N 23/201 takes precedence) [2]
G01N 23/206	3-Punkt Untergruppe	. . . the radiation being neutrons [3]
G01N 23/207	2-Punkt Untergruppe	. . by means of diffractometry using detectors, e.g. using an analysing crystal or a crystal to be analysed in a central position and one or more displaceable detectors in circumferential positions (G01N 23/201 takes precedence; spectrometry of detected or measured radiation intensity G01T 1/36) [2]
G01N 23/22	1-Punkt Untergruppe	. by measuring secondary emission [2]
G01N 23/221	2-Punkt Untergruppe	. . by activation analysis [2]
G01N 23/222	3-Punkt Untergruppe	. . . using neutrons [3]
G01N 23/223	2-Punkt Untergruppe	. . by irradiating the sample with X-rays and by measuring X-ray fluorescence [2]
G01N 23/225	2-Punkt Untergruppe	. . using electron or ion microprobe (electron or ion-beam tubes for microprobe analysis H01J 37/00) [2]
G01N 23/227	2-Punkt Untergruppe	. . by measuring photoelectric effect, e.g. Auger electrons [2]
G01N 24/00	**Hauptgruppe**	**Investigating or analysing materials by the use of nuclear magnetic resonance, electron paramagnetic resonance or other spin effects (arrangements or instruments for measuring magnetic resonance effects G01R 33/20) [3, 4, 5]**
G01N 24/08	1-Punkt Untergruppe	. by using nuclear magnetic resonance (G01N 24/12 takes precedence) [3]
G01N 24/10	1-Punkt Untergruppe	. by using electron paramagnetic resonance (G01N 24/12 takes precedence) [3]
G01N 24/12	1-Punkt Untergruppe	. by using double resonance [3]
G01N 24/14	1-Punkt Untergruppe	. by using cyclotron resonance [3]
G01N 25/00	**Hauptgruppe**	**Investigating or analysing materials by the use of thermal means (G01N 3/00 to G01N 23/00 take precedence)**
G01N 25/02	1-Punkt Untergruppe	. by investigating changes of state or changes of phase; by investigating sintering
G01N 25/04	2-Punkt Untergruppe	. . of melting point; of freezing point; of softening point
G01N 25/06	3-Punkt Untergruppe	. . . Analysis by measuring change of freezing point
G01N 25/08	2-Punkt Untergruppe	. . of boiling point
G01N 25/10	3-Punkt Untergruppe	. . . Analysis by measuring change of boiling point
G01N 25/12	2-Punkt Untergruppe	. . of critical point; of other phase change
G01N 25/14	1-Punkt Untergruppe	. by using distillation, extraction, sublimation, condensation, freezing, or crystallisation (G01N 25/02 takes precedence)
G01N 25/16	1-Punkt Untergruppe	. by investigating thermal coefficient of expansion
G01N 25/18	1-Punkt Untergruppe	. by investigating thermal conductivity (by calorimetry G01N 25/20; by measuring change of resistance of an electrically-heated body G01N 27/18)
G01N 25/20	1-Punkt Untergruppe	. by investigating the development of heat, i.e. calorimetry, e.g. by measuring specific heat, by measuring thermal conductivity
G01N 25/22	2-Punkt Untergruppe	. . on combustion or catalytic oxidation, e.g. of components of gas mixtures
G01N 25/24	3-Punkt Untergruppe	. . . using combustion tubes, e.g. for micro-analysis
G01N 25/26	3-Punkt Untergruppe	. . . using combustion with oxygen under pressure, e.g. in bomb calorimeter
G01N 25/28	3-Punkt Untergruppe	. . . the rise in temperature of the gases resulting from combustion being measured directly

Symbol	Typ	Titel
G01N 25/30	4-Punkt Untergruppe	. . . . using electric temperature-responsive elements
G01N 25/32	5-Punkt Untergruppe	. . . . . using thermoelectric elements
G01N 25/34	4-Punkt Untergruppe	. . . . using mechanical temperature-responsive elements, e.g. bimetallic
G01N 25/36	5-Punkt Untergruppe	. . . . . for investigating the composition of gas mixtures
G01N 25/38	4-Punkt Untergruppe	. . . . using the melting or combustion of a solid
G01N 25/40	3-Punkt Untergruppe	. . . the heat developed being transferred to a flowing fluid
G01N 25/42	4-Punkt Untergruppe	. . . . continuously
G01N 25/44	3-Punkt Untergruppe	. . . the heat developed being transferred to a fixed quantity of fluid
G01N 25/46	4-Punkt Untergruppe	. . . . for investigating the composition of gas mixtures
G01N 25/48	2-Punkt Untergruppe	. . on solution, sorption, or a chemical reaction not involving combustion or catalytic oxidation
G01N 25/50	1-Punkt Untergruppe	. by investigating flash-point; by investigating explosibility
G01N 25/52	2-Punkt Untergruppe	. . by determining flash-point of liquids
G01N 25/54	2-Punkt Untergruppe	. . by determining explosibility
G01N 25/56	1-Punkt Untergruppe	. by investigating moisture content
G01N 25/58	2-Punkt Untergruppe	. . by measuring changes of properties of the material due to heat, cold, or expansion
G01N 25/60	3-Punkt Untergruppe	. . . for determining the wetness of steam
G01N 25/62	2-Punkt Untergruppe	. . by psychrometric means, e.g. wet-and-dry-bulb thermometers
G01N 25/64	3-Punkt Untergruppe	. . . using electric temperature-responsive elements
G01N 25/66	2-Punkt Untergruppe	. . by investigating dew-point
G01N 25/68	3-Punkt Untergruppe	. . . by varying the temperature of a condensing surface
G01N 25/70	3-Punkt Untergruppe	. . . by varying the temperature of the material, e.g. by compression, by expansion
G01N 25/72	1-Punkt Untergruppe	. Investigating presence of flaws (by investigating thermal conductivity G01N 25/18)
G01N 27/00	**Hauptgruppe**	**Investigating or analysing materials by the use of electric, electro-chemical, or magnetic means (G01N 3/00 to G01N 25/00 take precedence; measurement or testing of electric or magnetic variables or of electric or magnetic properties of materials G01R)**
G01N 27/02	1-Punkt Untergruppe	. by investigating impedance
G01N 27/04	2-Punkt Untergruppe	. . by investigating resistance
G01N 27/06	3-Punkt Untergruppe	. . . of a liquid (involving electrolysis G01N 27/26; involving polarography G01N 27/48; measuring electric resistance of fluids G01R 27/22)
G01N 27/07	4-Punkt Untergruppe	. . . . Construction of measuring vessels; Electrodes therefor [2]
G01N 27/08	4-Punkt Untergruppe	. . . . which is flowing continuously
G01N 27/10	5-Punkt Untergruppe	. . . . . Investigation or analysis specially adapted for controlling or monitoring operations or for signalling (regulating G05D)
G01N 27/12	3-Punkt Untergruppe	. . . of a solid body in dependence upon absorption of a fluid; of a solid body in dependence upon reaction with a fluid

Symbol	Typ	Titel
G01N 27/14	3-Punkt Untergruppe	. . . of an electrically-heated body in dependence upon change of temperature
G01N 27/16	4-Punkt Untergruppe	. . . . caused by burning or catalytic oxidation of surrounding material to be tested, e.g. of gas
G01N 27/18	4-Punkt Untergruppe	. . . . caused by changes in the thermal conductivity of a surrounding material to be tested (G01N 27/20 takes precedence)
G01N 27/20	3-Punkt Untergruppe	. . . Investigating the presence of flaws
G01N 27/22	2-Punkt Untergruppe	. . by investigating capacitance
G01N 27/24	3-Punkt Untergruppe	. . . Investigating the presence of flaws
G01N 27/26	1-Punkt Untergruppe	. by investigating electrochemical variables; by using electrolysis or electrophoresis (investigating resistance to corrosion G01N 17/00; investigating or analysing materials by separation into components using adsorption, absorption or similar phenomena or using ion-exchange, e.g. chromatography, G01N 30/00; immunoelectrophoresis G01N 33/561; electrochemical processes or apparatus in general B01J; standard cells H01M 6/28) [5]
G01N 27/27	2-Punkt Untergruppe	. . Association of two or more measuring systems or cells, each measuring a different parameter, where the measurement results may be either used independently, the systems or cells being physically associated, or combined to produce a value for a further parameter [5]
G01N 27/28	2-Punkt Untergruppe	. . Electrolytic cell components
G01N 27/30	3-Punkt Untergruppe	. . . Electrodes, e.g. test electrodes; Half-cells (G01N 27/414 takes precedence) [5]
G01N 27/31	4-Punkt Untergruppe	. . . . Half-cells with permeable membranes, e.g. semi-porous or perm-selective membranes [5]
G01N 27/32	4-Punkt Untergruppe	. . . . Calomel electrodes
G01N 27/327	4-Punkt Untergruppe	. . . . Biochemical electrodes [5]
G01N 27/333	4-Punkt Untergruppe	. . . . Ion-selective electrodes or membranes (glass electrodes G01N 27/36) [5]
G01N 27/34	4-Punkt Untergruppe	. . . . Dropping-mercury electrodes
G01N 27/36	4-Punkt Untergruppe	. . . . Glass electrodes
G01N 27/38	4-Punkt Untergruppe	. . . . Cleaning of electrodes
G01N 27/40	3-Punkt Untergruppe	. . . Semi-permeable membranes or partitions
G01N 27/401	3-Punkt Untergruppe	. . . Salt-bridge leaks; Liquid junctions [5]
G01N 27/403	2-Punkt Untergruppe	. . Cells and electrode assemblies [5]
G01N 27/404	3-Punkt Untergruppe	. . . Cells with anode, cathode and cell electrolyte on the same side of a permeable membrane which separates them from the sample fluid [5]
G01N 27/406	3-Punkt Untergruppe	. . . Cells and probes with solid electrolytes [5]
G01N 27/407	4-Punkt Untergruppe	. . . . for investigating or analysing gases [5]
G01N 27/409	5-Punkt Untergruppe	. . . . . Oxygen concentration cells [5]
G01N 27/41	5-Punkt Untergruppe	. . . . . Oxygen pumping cells [5]
G01N 27/411	4-Punkt Untergruppe	. . . . for investigating or analysing of liquid metals [5]
G01N 27/413	3-Punkt Untergruppe	. . . Concentration cells using liquid electrolytes [5]
G01N 27/414	3-Punkt Untergruppe	. . . Ion-sensitive or chemical field-effect transistors, i.e. ISFETS or CHEMFETS [5]

Symbol	Typ	Titel
G01N 27/416	2-Punkt Untergruppe	. . Systems (G01N 27/27 takes precedence) [5]
G01N 27/417	3-Punkt Untergruppe	. . . using cells and probes with solid electrolytes [5]
G01N 27/419	4-Punkt Untergruppe	. . . . Measuring voltages or currents with a combination of oxygen pumping cells and oxygen concentration cells [5]
G01N 27/42	3-Punkt Untergruppe	. . . Measuring deposition or liberation of materials from an electrolyte; Coulometry, i.e. measuring coulomb-equivalent of material in an electrolyte [5]
G01N 27/44	4-Punkt Untergruppe	. . . . using electrolysis to generate a reagent, e.g. for titration [5]
G01N 27/447	3-Punkt Untergruppe	. . . using electrophoresis [5]
G01N 27/453	4-Punkt Untergruppe	. . . . Cells therefor [5]
G01N 27/48	3-Punkt Untergruppe	. . . using polarography, i.e. measuring changes in current under a slowly-varying voltage
G01N 27/49	3-Punkt Untergruppe	. . . Systems involving the determination of the current at a single specific value, or small range of values, of applied voltage for producing selective measurement of one or more particular ionic species [5]
G01N 27/60	1-Punkt Untergruppe	. by investigating electrostatic variables (by investigating capacitance G01N 27/22)
G01N 27/61	2-Punkt Untergruppe	. . Investigating the presence of flaws [3]
G01N 27/62	1-Punkt Untergruppe	. by investigating the ionisation of gases; by investigating electric discharges, e.g. emission of cathode (particle spectrometers H01J 49/00)
G01N 27/64	2-Punkt Untergruppe	. . using wave or particle radiation to ionise a gas, e.g. in an ionisation chamber
G01N 27/66	3-Punkt Untergruppe	. . . and measuring current or voltage
G01N 27/68	2-Punkt Untergruppe	. . using electric discharge to ionise a gas
G01N 27/70	3-Punkt Untergruppe	. . . and measuring current or voltage
G01N 27/72	1-Punkt Untergruppe	. by investigating magnetic variables
G01N 27/74	2-Punkt Untergruppe	. . of fluids (G01N 24/00 takes precedence)
G01N 27/76	3-Punkt Untergruppe	. . . by investigating susceptibility
G01N 27/80	2-Punkt Untergruppe	. . for investigating mechanical hardness, e.g. by investigating saturation or remanence of ferromagnetic material
G01N 27/82	2-Punkt Untergruppe	. . for investigating the presence of flaws
G01N 27/83	3-Punkt Untergruppe	. . . by investigating stray magnetic fields [3]
G01N 27/84	4-Punkt Untergruppe	. . . . by applying magnetic powder or magnetic ink [3]
G01N 27/85	4-Punkt Untergruppe	. . . . using magnetographic methods [3]
G01N 27/87	4-Punkt Untergruppe	. . . . using probes [3]
G01N 27/90	3-Punkt Untergruppe	. . . using eddy currents [3]
G01N 27/92	1-Punkt Untergruppe	. by investigating breakdown voltage (G01N 27/60 , G01N 27/62 take precedence; testing of articles or specimens of solids or fluids for dielectric strength or breakdown voltage G01R 31/12) [3]
G01N 29/00	**Hauptgruppe**	**Investigating or analysing materials by the use of ultrasonic, sonic or infrasonic waves; Visualisation of the interior of objects by transmitting ultrasonic or sonic waves through the object (G01N 3/00 to G01N 27/00 take precedence; measuring or indicating of ultrasonic, sonic or infrasonic waves in general G01H; systems using the reflection or reradiation of acoustic waves,**

Symbol	Typ	Titel
		e.g. acoustic imaging, G01S 15/00; obtaining records by techniques analogous to photography using ultrasonic, sonic or infrasonic waves G03B 42/06) [4]
G01N 29/02	1-Punkt Untergruppe	. for analysing fluids (G01N 29/16 , G01N 29/18 , G01N 29/20 take precedence) [5]
G01N 29/04	1-Punkt Untergruppe	. for investigating presence of flaws in solids (G01N 29/16 , G01N 29/18 , G01N 29/20 take precedence) [4, 5]
G01N 29/06	2-Punkt Untergruppe	. . Visualisation of the interior [4]
G01N 29/08	2-Punkt Untergruppe	. . using transmission techniques (G01N 29/06 takes precedence) [5]
G01N 29/10	2-Punkt Untergruppe	. . using reflection of acoustic waves (G01N 29/06 takes precedence) [5]
G01N 29/12	2-Punkt Untergruppe	. . using resonance or free vibration techniques (G01N 29/06 takes precedence) [5]
G01N 29/14	2-Punkt Untergruppe	. . using acoustic emission techniques (G01N 29/06 takes precedence) [5]
G01N 29/16	1-Punkt Untergruppe	. by investigating mechanical or acoustical impedance [5]
G01N 29/18	1-Punkt Untergruppe	. by investigating propagation velocity of acoustic waves [5]
G01N 29/20	1-Punkt Untergruppe	. by measuring attenuation of acoustic waves [5]
G01N 29/22	1-Punkt Untergruppe	. Details [5]
G01N 29/24	2-Punkt Untergruppe	. . Probes [5]
G01N 29/26	2-Punkt Untergruppe	. . Arrangements for orientation or scanning [5]
G01N 29/28	2-Punkt Untergruppe	. . providing acoustic coupling [5]
G01N 30/00	**Hauptgruppe**	**Investigating or analysing materials by separation into components using adsorption, absorption or similar phenomena or using ion-exchange, e.g. chromatography (G01N 3/00 to G01N 29/00 take precedence; separation for the preparation or production of components B01D 15/00 , B01D 53/02 , B01D 53/14) [4]**
G01N 30/02	1-Punkt Untergruppe	. Column chromatography [4]
G01N 30/04	2-Punkt Untergruppe	. . Preparation or injection of sample to be analysed [4]
G01N 30/06	3-Punkt Untergruppe	. . . Preparation [4]
G01N 30/08	4-Punkt Untergruppe	. . . . using an enricher [4]
G01N 30/10	4-Punkt Untergruppe	. . . . using a splitter [4]
G01N 30/12	4-Punkt Untergruppe	. . . . by evaporation [4]
G01N 30/14	4-Punkt Untergruppe	. . . . by elimination of some components [4]
G01N 30/16	3-Punkt Untergruppe	. . . Injection (G01N 30/24 takes precedence) [4]
G01N 30/18	4-Punkt Untergruppe	. . . . using a septum or microsyringe [4]
G01N 30/20	4-Punkt Untergruppe	. . . . using a sampling valve [4]
G01N 30/22	4-Punkt Untergruppe	. . . . in high pressure liquid systems [4]
G01N 30/24	3-Punkt Untergruppe	. . . Automatic injection systems [4]
G01N 30/26	2-Punkt Untergruppe	. . Conditioning of the fluid carrier; Flow patterns [4]
G01N 30/28	3-Punkt Untergruppe	. . . Control of physical parameters of the fluid carrier [4]
G01N 30/30	4-Punkt Untergruppe	. . . . of temperature [4]

Symbol	Typ	Titel
G01N 30/32	4-Punkt Untergruppe	. . . . of pressure or speed (G01N 30/36 takes precedence) [4]
G01N 30/34	4-Punkt Untergruppe	. . . . of fluid composition, e.g. gradient (G01N 30/36 takes precedence) [4]
G01N 30/36	4-Punkt Untergruppe	. . . . in high pressure liquid systems [4]
G01N 30/38	3-Punkt Untergruppe	. . . Flow patterns [4]
G01N 30/40	4-Punkt Untergruppe	. . . . using back flushing [4]
G01N 30/42	4-Punkt Untergruppe	. . . . using counter-current [4]
G01N 30/44	4-Punkt Untergruppe	. . . . using recycling of the fraction to be distributed [4]
G01N 30/46	4-Punkt Untergruppe	. . . . using more than one column [4]
G01N 30/48	2-Punkt Untergruppe	. . Sorbent materials therefor [4]
G01N 30/50	2-Punkt Untergruppe	. . Conditioning of the sorbent material or stationary liquid [4]
G01N 30/52	3-Punkt Untergruppe	. . . Physical parameters [4]
G01N 30/54	4-Punkt Untergruppe	. . . . Temperature [4]
G01N 30/56	3-Punkt Untergruppe	. . . Packing methods or coating methods [4]
G01N 30/58	3-Punkt Untergruppe	. . . the sorbent moving as a whole [4]
G01N 30/60	2-Punkt Untergruppe	. . Construction of the column [4]
G01N 30/62	2-Punkt Untergruppe	. . Detectors specially adapted therefor [4]
G01N 30/64	3-Punkt Untergruppe	. . . Electrical detectors [4]
G01N 30/66	4-Punkt Untergruppe	. . . . Thermal conductivity detectors [4]
G01N 30/68	4-Punkt Untergruppe	. . . . Flame ionisation detectors [4]
G01N 30/70	4-Punkt Untergruppe	. . . . Electron capture detectors (G01N 30/68 takes precedence) [4]
G01N 30/72	3-Punkt Untergruppe	. . . Mass spectrometers [4]
G01N 30/74	3-Punkt Untergruppe	. . . Optical detectors [4]
G01N 30/76	3-Punkt Untergruppe	. . . Acoustical detectors [4]
G01N 30/78	3-Punkt Untergruppe	. . . using more than one detector [4]
G01N 30/80	2-Punkt Untergruppe	. . Fraction collectors [4]
G01N 30/82	3-Punkt Untergruppe	. . . Automatic means therefor [4]
G01N 30/84	2-Punkt Untergruppe	. . Preparation of the fraction to be distributed [4]
G01N 30/86	2-Punkt Untergruppe	. . Signal analysis [4]
G01N 30/88	2-Punkt Untergruppe	. . Integrated analysis systems specially adapted therefor, not covered by a single one of groups G01N 30/04 to G01N 30/86 (signal analysis systems in general G06F , G06G , G06T) [4]
G01N 30/90	1-Punkt Untergruppe	. Plate chromatography, e.g. thin layer or paper chromatography [4]
G01N 30/91	2-Punkt Untergruppe	. . Application of the sample [4]

Symbol	Typ	Titel
G01N 30/92	2-Punkt Untergruppe	. . Construction of the plate [4]
G01N 30/93	3-Punkt Untergruppe	. . . Application of the sorbent layer [4]
G01N 30/94	2-Punkt Untergruppe	. . Development [4]
G01N 30/95	2-Punkt Untergruppe	. . Detectors specially adapted therefor; Signal analysis [4]
G01N 30/96	1-Punkt Untergruppe	. using ion-exchange (G01N 30/02 , G01N 30/90 take precedence) [4]
G01N 31/00	**Hauptgruppe**	**Investigating or analysing non-biological materials by the use of the chemical methods specified in the subgroups (testing the effectiveness or completeness of sterilisation procedures without using enzymes or microorganisms A61L 2/28; measuring or testing processes involving enzymes or micro-organisms C12Q 1/00); Apparatus specially adapted for such methods [4]**
G01N 31/02	1-Punkt Untergruppe	. using precipitation
G01N 31/10	1-Punkt Untergruppe	. using catalysis
G01N 31/12	1-Punkt Untergruppe	. using combustion (G01N 25/20 takes precedence)
G01N 31/16	1-Punkt Untergruppe	. using titration
G01N 31/18	2-Punkt Untergruppe	. . Burettes specially adapted for titration (burettes in general B01L 3/02)
G01N 31/20	1-Punkt Untergruppe	. using micro-analysis, e.g. drop reaction
G01N 31/22	1-Punkt Untergruppe	. using chemical indicators (G01N 31/02 takes precedence)
G01N 33/00	**Hauptgruppe**	**Investigating or analysing materials by specific methods not covered by the preceding groups**
G01N 33/02	1-Punkt Untergruppe	. Food
G01N 33/03	2-Punkt Untergruppe	. . Edible oils or edible fats [4]
G01N 33/04	2-Punkt Untergruppe	. . Dairy products
G01N 33/06	3-Punkt Untergruppe	. . . Determining fat content, e.g. by butyrometer
G01N 33/08	2-Punkt Untergruppe	. . Eggs, e.g. by candling
G01N 33/10	2-Punkt Untergruppe	. . Starch-containing substances, e.g. dough
G01N 33/12	2-Punkt Untergruppe	. . Meat; fish
G01N 33/14	2-Punkt Untergruppe	. . Beverages
G01N 33/15	1-Punkt Untergruppe	. Medicinal preparations [3]
G01N 33/18	1-Punkt Untergruppe	. Water
G01N 33/20	1-Punkt Untergruppe	. Metals
G01N 33/22	1-Punkt Untergruppe	. Fuels; explosives
G01N 33/24	1-Punkt Untergruppe	. Earth materials (G01N 33/42 takes precedence)
G01N 33/26	1-Punkt Untergruppe	. Oils; viscous liquids; paints; inks (G01N 33/22 takes precedence)
G01N 33/28	2-Punkt Untergruppe	. . Oils (edible oils or edible fats G01N 33/03) [4]
G01N 33/30	3-Punkt Untergruppe	. . . for lubricating properties
G01N 33/32	2-Punkt Untergruppe	. . Paints; inks

Symbol	Typ	Titel
G01N 33/34	1-Punkt Untergruppe	. Paper
G01N 33/36	1-Punkt Untergruppe	. Textiles
G01N 33/38	1-Punkt Untergruppe	. Concrete; lime; mortar; gypsum; bricks; ceramics; glass
G01N 33/40	1-Punkt Untergruppe	. Grinding-materials
G01N 33/42	1-Punkt Untergruppe	. Road-making materials (G01N 33/38 takes precedence)
G01N 33/44	1-Punkt Untergruppe	. Resins; plastics; rubber; leather
G01N 33/46	1-Punkt Untergruppe	. Wood
G01N 33/48	1-Punkt Untergruppe	. Biological material, e.g. blood, urine (G01N 33/02 to G01N 33/14 , G01N 33/26 , G01N 33/44 , G01N 33/46 take precedence; determining the germinating capacity of seeds A01C 1/02); Haemocytometers (counting blood corpuscules distributed over a surface by scanning the surface G06M 11/02) [3, 4]
G01N 33/483	2-Punkt Untergruppe	. . Physical analysis of biological material [4]
G01N 33/487	3-Punkt Untergruppe	. . . of liquid biological material [4]
G01N 33/49	4-Punkt Untergruppe	. . . . blood [4]
G01N 33/493	4-Punkt Untergruppe	. . . . urine [4]
G01N 33/497	3-Punkt Untergruppe	. . . of gaseous biological material, e.g. breath [4]
G01N 33/50	2-Punkt Untergruppe	. . Chemical analysis of biological material, e.g. blood, urine; Testing involving biospecific ligand binding methods; Immunological testing (measuring or testing processes other than immunological involving enzymes or micro-organisms, compositions or test papers therefor; processes of forming such compositions, condition responsive control in microbiological or enzymological processes C12Q) [3]
G01N 33/52	3-Punkt Untergruppe	. . . Use of compounds or compositions for colorimetric, spectrophotometric or fluorometric investigation, e.g. use of reagent paper [3]
G01N 33/53	3-Punkt Untergruppe	. . . Immunoassay; Biospecific binding assay; Materials therefor (medicinal preparations containing antigens or antibodies A61K; haptens in general, see the relevant places in class C07; peptides, e.g. proteins, in general C07K) [4]
G01N 33/531	4-Punkt Untergruppe	. . . . Production of immunochemical test materials [4]
G01N 33/532	5-Punkt Untergruppe	. . . . . Production of labelled immunochemicals [4]
G01N 33/533	6-Punkt Untergruppe	. . . . . with fluorescent label [4]
G01N 33/534	6-Punkt Untergruppe	. . . . . with radioactive label [4]
G01N 33/535	6-Punkt Untergruppe	. . . . . with enzyme label [4]
G01N 33/536	4-Punkt Untergruppe	. . . . with immune complex formed in liquid phase [4]
G01N 33/537	5-Punkt Untergruppe	. . . . . with separation of immune complex from unbound antigen or antibody [4]
G01N 33/538	6-Punkt Untergruppe	. . . . . by sorbent column, particles or resin strip [4]
G01N 33/539	6-Punkt Untergruppe	. . . . . involving precipitating reagent [4]
G01N 33/541	7-Punkt Untergruppe	. . . . . Double or second antibody [4]
G01N 33/542	5-Punkt Untergruppe	. . . . . with steric inhibition or signal modification, e.g. fluorescent quenching [4]
G01N 33/543	4-Punkt Untergruppe	. . . . with an insoluble carrier for immobilising immunochemicals [4]

Symbol	Typ	Titel
G01N 33/544	5-Punkt Untergruppe	. . . . . the carrier being organic [4]
G01N 33/545	6-Punkt Untergruppe	. . . . . Synthetic resin [4]
G01N 33/546	7-Punkt Untergruppe	. . . . . as water suspendable particles [4]
G01N 33/547	7-Punkt Untergruppe	. . . . . with antigen or antibody attached to the carrier via a bridging agent [4]
G01N 33/548	6-Punkt Untergruppe	. . . . . Carbohydrates, e.g. dextran [4]
G01N 33/549	6-Punkt Untergruppe	. . . . . with antigen or antibody entrapped within the carrier [4]
G01N 33/551	5-Punkt Untergruppe	. . . . . the carrier being inorganic [4]
G01N 33/552	6-Punkt Untergruppe	. . . . . Glass or silica [4]
G01N 33/553	6-Punkt Untergruppe	. . . . . Metal or metal coated [4]
G01N 33/554	5-Punkt Untergruppe	. . . . . the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells [4]
G01N 33/555	6-Punkt Untergruppe	. . . . . Red blood cell [4]
G01N 33/556	7-Punkt Untergruppe	. . . . . Fixed or stabilised red blood cell [4]
G01N 33/557	4-Punkt Untergruppe	. . . . using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction [4]
G01N 33/558	4-Punkt Untergruppe	. . . . using diffusion or migration of antigen or antibody [4]
G01N 33/559	5-Punkt Untergruppe	. . . . . through a gel, e.g. Ouchterlony technique [4]
G01N 33/561	5-Punkt Untergruppe	. . . . . Immunoelectrophoresis [4]
G01N 33/563	4-Punkt Untergruppe	. . . . involving antibody fragments [4]
G01N 33/564	4-Punkt Untergruppe	. . . . for pre-existing immune complex or autoimmune disease [4]
G01N 33/566	4-Punkt Untergruppe	. . . . using specific carrier or receptor proteins as ligand binding reagent [4]
G01N 33/567	5-Punkt Untergruppe	. . . . . utilising isolate of tissue or organ as binding agent [4]
G01N 33/569	4-Punkt Untergruppe	. . . . for micro-organisms, e.g. protozoa, bacteria, viruses [4]
G01N 33/571	5-Punkt Untergruppe	. . . . . for venereal disease, e.g. syphilis, gonorrhoea, herpes [4]
G01N 33/573	4-Punkt Untergruppe	. . . . for enzymes or isoenzymes [4]
G01N 33/574	4-Punkt Untergruppe	. . . . for cancer [4]
G01N 33/576	4-Punkt Untergruppe	. . . . for hepatitis [4]
G01N 33/577	4-Punkt Untergruppe	. . . . involving monoclonal antibodies [4]
G01N 33/579	3-Punkt Untergruppe	. . . involving limulus lysate [4]
G01N 33/58	3-Punkt Untergruppe	. . . involving labelled substances (G01N 33/53 takes precedence; for testing in vivo A61K 51/00) [3]
G01N 33/60	4-Punkt Untergruppe	. . . . involving radioactive labelled substances (tracers G21H 5/02) [3]
G01N 33/62	3-Punkt Untergruppe	. . . involving urea [3]
G01N 33/64	3-Punkt Untergruppe	. . . involving ketones [3]
G01N 33/66	3-Punkt Untergruppe	. . . involving blood sugars, e.g. galactose [3]

Symbol	Typ	Titel
G01N 33/68	3-Punkt Untergruppe	. . . involving proteins, peptides or amino acids [3]
G01N 33/70	3-Punkt Untergruppe	. . . involving creatine or creatinine [3]
G01N 33/72	3-Punkt Untergruppe	. . . involving blood pigments, e.g. hemoglobin, bilirubin [3]
G01N 33/74	3-Punkt Untergruppe	. . . involving hormones [3]
G01N 33/76	4-Punkt Untergruppe	. . . . Human chorionic gonadotropin [3]
G01N 33/78	4-Punkt Untergruppe	. . . . Thyroid gland hormones [3]
G01N 33/80	3-Punkt Untergruppe	. . . involving blood groups or blood types [3]
G01N 33/82	3-Punkt Untergruppe	. . . involving vitamins [3]
G01N 33/84	3-Punkt Untergruppe	. . . involving inorganic compounds or pH [3]
G01N 33/86	3-Punkt Untergruppe	. . . involving blood coagulating time [3]
G01N 33/88	3-Punkt Untergruppe	. . . involving prostaglandins [3]
G01N 33/90	3-Punkt Untergruppe	. . . involving iron binding capacity of blood [3]
G01N 33/92	3-Punkt Untergruppe	. . . involving lipids, e.g. cholesterol [3]
G01N 33/94	3-Punkt Untergruppe	. . . involving narcotics [3]
G01N 33/96	3-Punkt Untergruppe	. . . involving blood or serum control standard [3]
G01N 33/98	3-Punkt Untergruppe	. . . involving alcohol, e.g. ethanol in breath [4]
G01N 35/00	**Hauptgruppe**	**Automatic analysis not limited to methods or materials provided for in a single one of the preceding groups; Handling materials therefor [3]**
G01N 35/02	1-Punkt Untergruppe	. using a plurality of sample containers moved by a conveyer system past one or more treatment or analysis stations [3]
G01N 35/04	2-Punkt Untergruppe	. . Details of the conveyer system [3]
G01N 35/08	1-Punkt Untergruppe	. using a stream of discrete samples flowing along a tube system, e.g. flow injection analysis [3]
G01N 35/10	1-Punkt Untergruppe	. Devices for transferring samples to, in, or from, the analysis apparatus, e.g. suction devices, injection devices [6]
G01N 37/00	**Hauptgruppe**	**Details not covered by any preceding group [3]**