



Technovit®-Products for Histology of Hard Specimens

# Technovit®-Products 2023



[www.morphisto.de](http://www.morphisto.de)

## 02. Staining kits

### Product

### Description

### Order Information



Staining kits are a special product group used in in vitro diagnostics and various laboratory applications. They contain ready-to-use solutions for standard staining protocols as well as special stains in routine histology.

These kits provide all the reagents needed for the specific staining, with the exception of xylene and alcohols. If individual components are used up, they can be reordered separately. As a rule, one liter of staining solution is sufficient for staining about 1,000 slides. The chemical shelf life of the solutions can be found on the respective labels. By using staining kits, in vitro diagnostic and laboratory results can be achieved efficiently and precisely, simplifying and optimizing the overall workflow.

#### Staining Kit: AZAN after GEIDIES

Lagerung: siehe Einzelprodukte

Components of this kit:

- Seed red 0,1 %, Artikel-Nr.:10264
- Phosphortungstic Acid 5 %, Artikel-Nr.:10324
- Aniline blue - Orange G - Working solution, Artikel-Nr.:10144



#### Staining of tissue samples

The AZAN staining kit according to Geidies is a simplified variant of the AZAN staining according to Heidenhain, because it requires fewer steps and thus makes it easier to perform the staining. The main advantages of this variant are shorter staining times and the avoidance of aniline alcohol, which is relatively toxic. The components of this kit are:

1. nuclear red 0.1% (Item No.: 10264) is used to stain cell nuclei red.
2. phosphotungstic acid 5% (Item No.: 10324) is used as a mordant to improve the binding of dyes to tissue structures.
3. aniline blue - orange G - working solution (Item No.: 10144) is a combination of dyes that renders collagenous and reticular connective tissue in blue and muscle tissue in red-orange.

Using these simplified staining kit components



Order-No.:	Amount:	Price:
12082.00100	100 ml	35,46
12082.00250	250 ml	62,53
12082.00500	500 ml	120,66
12082.01000	1.000 ml	231,70
12082.02500	2.500 ml	527,16

#### Staining Kit: Van GIESON's Elastica (EvG)

Lagerung: siehe Einzelprodukte

Components of this kit:

- Resorcin-Fuchsin, alcoholic acc. to WEIGERT, Artikel-Nr.:10354
- WEIGERT stock solution A, Artikel-Nr.:10225A
- WEIGERT stock solution B, Artikel-Nr.:10225B
- Van GIESON's Picrofuchsin, Artikel-Nr.:11486
- Hydrochloric acid Alcohol (1 % / 70 %), Artikel-Nr.:10372



#### Dyeing elastic fibers

The Elastica staining kit according to van Gieson (EvG) is a comprehensive set of special staining solutions aimed at professional users in histology and pathology. The kit contains resorcinol-fuchsin, Weigert stock solution A, Weigert stock solution B, Van Gieson picrofuchsin solution and 1% hydrochloric acid alcohol. It provides reliable and accurate visualization of elastic fibers, collagen fibers and cell nuclei in histological specimens.

Resorcin-Fuchsin is a staining solution used for specific staining of elastic fibers in tissue sections. It imparts an intense blue-black color to elastic fibers, making them easy to distinguish from other structures.

Weigert stock solution A and B are mixed together to obtain Weigert iron hematoxylin solution. It is used to stain cell nuclei, giving them a characteristic blue violet color.



Order-No.:	Amount:	Price:
12739.00100	100 ml	36,33
12739.00250	250 ml	56,11
12739.00500	500 ml	104,76
12739.01000	1.000 ml	202,90
12739.02500	2.500 ml	463,07

#### Staining Kit: Hematoxylin-Eosin (H&E)

Lagerung: siehe Einzelprodukte

Components of this kit:

- Hematoxylin acid according to MAYER, Artikel-Nr.:10231
- Eosin 1 %, aqueous, Artikel-Nr.:10177



#### Overview staining of tissues

The Hematoxylin & Eosin (H&E) staining kit is one of the most commonly used staining kits in histology and histopathology. It enables the visualization of cell nuclei, cytoplasm and extracellular structures in tissue samples and is therefore an important method for the analysis of cell and tissue structures in research and diagnostics.





The H&E kit consists of two main components:

1. Hematoxylin: This dye stains cell nuclei in a blue to purple hue. Hematoxylin binds to basic structures, such as DNA and RNA, making it particularly suitable for visualizing cell nuclei and nucleic acids.
2. Eosin: This dye stains the cytoplasm and extracellular structures in various shades from pink to red. Eosin binds to acidic structures such as







Order-No.:	Amount:	Price:
12156.00100	100 ml	14,95
12156.00250	250 ml	19,73
12156.00500	500 ml	31,24
12156.01000	1.000 ml	60,48
12156.02500	2.500 ml	127,64

## 02. Staining kits

Product	Description	Order Information																		
<p><b>Staining Kit: HEROVICI for collagen differentiation</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>• Coelestine Blue - Iron-Alum Solution, Artikel-Nr.:15156</li> <li>• Nuclear Fast Red 0.1 %, Artikel-Nr.:18417</li> <li>• Metanil Yellow 2 %, Artikel-Nr.:18422</li> <li>• Acetic acid 1 %, Artikel-Nr.:10180</li> <li>• Lithium Carbonate 0.05 %, Artikel-Nr.:11714</li> <li>• HANSEN's Picric Fuch sine, Artikel-Nr.:18427</li> </ul>	 <p><b>staining of collagene</b></p> <p>Special stain for differentiating younger (blue) and older collagen (red), as well as for visualizing reticulin (blue) and cytoplasm (yellow). This staining is particularly suitable for visualizing processes of wound healing.</p>	<p>CE</p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18432.00100</td> <td>100 ml</td> <td>89,10</td> </tr> <tr> <td>18432.00250</td> <td>250 ml</td> <td>189,56</td> </tr> <tr> <td>18432.00500</td> <td>500 ml</td> <td>316,83</td> </tr> <tr> <td>18432.01000</td> <td>1.000 ml</td> <td>612,16</td> </tr> <tr> <td>18432.02500</td> <td>2.500 ml</td> <td>1430,43</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18432.00100	100 ml	89,10	18432.00250	250 ml	189,56	18432.00500	500 ml	316,83	18432.01000	1.000 ml	612,16	18432.02500	2.500 ml	1430,43
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<p><b>Staining Kit: LADEWIG's Staining</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>• WEIGERT stock solution A, Artikel-Nr.:10225A</li> <li>• WEIGERT stock solution B, Artikel-Nr.:10225B</li> <li>• Phosphortungstic Acid 5 %, Artikel-Nr.:10324</li> <li>• LADEWIG's Solution, Artikel-Nr.:11404</li> </ul>	 <p><b>Staining of tissue samples</b></p> <p>The LADEWIG staining kit is a special staining kit for histology used for differentiated visualization of various tissue structures and substances.</p> <p>The kit consists of several components, including Weigert stock solution A and B, which are used to prepare a hematoxylin solution that stains cell nuclei blue. Furthermore, it contains a 5% phosphotungstic acid and the Ladewig solution. The Ladewig solution consists of the dyes aniline blue w.s., methyl orange and acid fuchsin.</p> <p>By using the LADEWIG staining kit, different tissue structures and substances can be stained differently and thus easily distinguished: Fibrin appears bright red, collagenous and reticular connective tissue is shown in blue-violet. Parenchyma, musculature and nervous tissue are stained gray-blue to brown-red, mucosal</p>	<p>CE</p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12086.00100</td> <td>100 ml</td> <td>54,28</td> </tr> <tr> <td>12086.00250</td> <td>250 ml</td> <td>94,22</td> </tr> <tr> <td>12086.00500</td> <td>500 ml</td> <td>185,23</td> </tr> <tr> <td>12086.01000</td> <td>1.000 ml</td> <td>356,90</td> </tr> <tr> <td>12086.02500</td> <td>2.500 ml</td> <td>823,70</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12086.00100	100 ml	54,28	12086.00250	250 ml	94,22	12086.00500	500 ml	185,23	12086.01000	1.000 ml	356,90	12086.02500	2.500 ml	823,70
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<p><b>Staining kit: MASSON GOLDNER Trichrome</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>• WEIGERT stock solution A, Artikel-Nr.:10225A</li> <li>• WEIGERT stock solution B, Artikel-Nr.:10225B</li> <li>• Acid Fuch sine - Ponceau Azophloxine, Artikel-Nr.:11267</li> <li>• Phosphomolybdic Acid - Orange G - (A) (GOLDNER II), Artikel-Nr.:11195</li> <li>• Light Green 0.2 % (GOLDNER III), Artikel-Nr.:10267</li> <li>• Acetic Acid 10 %, Artikel-Nr.:13431</li> </ul>	 <p><b>Trichrome staining for overview</b></p> <p>The MASSON GOLDNER Trichrome staining kit is a Masson stain modified by Goldner and is mainly used for histological staining of tissue samples. With this trichrome stain, different tissue structures such as collagen fibers, muscle tissue, cell nuclei and cytoplasm can be stained differently and easily distinguished from each other. The kit consists of various staining components that are applied to the tissue sample in several steps.</p> <p>The main components of this kit are Weigert stock solutions A and B, which are used to prepare the hematoxylin solution for staining the cell nuclei in black-blue. Acid fuchsin-ponceau azophloxin stains cytoplasm and muscle fibers in red. Phosphomolybdic acid-Orange G (GOLDNER II) is used to differentiate red staining and stain collagen fibers in orange. Light green 0.2% (GOLDNER III) stains collagen fibers in green.</p>	<p>CE</p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12043.00100</td> <td>100 ml</td> <td>50,97</td> </tr> <tr> <td>12043.00250</td> <td>250 ml</td> <td>61,41</td> </tr> <tr> <td>12043.00500</td> <td>500 ml</td> <td>114,56</td> </tr> <tr> <td>12043.01000</td> <td>1.000 ml</td> <td>222,50</td> </tr> <tr> <td>12043.02500</td> <td>2.500 ml</td> <td>510,45</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12043.00100	100 ml	50,97	12043.00250	250 ml	61,41	12043.00500	500 ml	114,56	12043.01000	1.000 ml	222,50	12043.02500	2.500 ml	510,45
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<p><b>Staining Kit: MOVAT's Pentachrom after VERHOEFF</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>• Alcian blue 1 % (pH 2,5 in acetic acid), Artikel-Nr.:12696</li> <li>• VERHOEFF's Stock Solution A, Artikel-Nr.:10402A</li> <li>• VERHOEFF's Stock Solution B, Artikel-Nr.:10402B</li> <li>• VERHOEFF's Stock Solution C, Artikel-Nr.:10402C</li> <li>• Iron(III) Chloride 1 %, Artikel-Nr.:10174</li> <li>• Brilliant Crocein - Acid Fuch sine, Artikel-Nr.:10156</li> <li>• Phosphortungstic Acid 2 %, Artikel-Nr.:10321</li> <li>• Safran du Gatinais, alcoholic, Artikel-Nr.:10369</li> <li>• Acetic Acid 12 %, Artikel-Nr.:13827</li> </ul>	 <p><b>Staining cartilage &amp; bone</b></p> <p>The Movat Pentachrome staining kit according to Verhoeff is a histological staining method that can visualize five different tissue components simultaneously. This method is based on the Verhoeff stain for visualizing elastic fibers and was developed by Dr. Henry Zoltan Movat to visualize additional components in different colors.</p> <p>The Movat Pentachrome stain shows the following tissue components:</p> <ol style="list-style-type: none"> <li>1. Elastic fibers: black (by Verhoeff elastin stain)</li> <li>2. Collagen: yellow (by True Saffron - Safran du Gatinais)</li> <li>3. Basic substance (mucopolysaccharides): blue (by Alcian blue)</li> <li>4. Muscle fibers: red (by Brilliant crocein acid fuchsin solution)</li> <li>5. Erythrocytes: yellow-orange (by a modified Brilliant crocein acid fuchsin solution)</li> </ol>	<p>CE</p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12061.00100</td> <td>100 ml</td> <td>199,71</td> </tr> <tr> <td>12061.00250</td> <td>250 ml</td> <td>377,52</td> </tr> <tr> <td>12061.00500</td> <td>500 ml</td> <td>779,54</td> </tr> <tr> <td>12061.01000</td> <td>1.000 ml</td> <td>1491,94</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12061.00100	100 ml	199,71	12061.00250	250 ml	377,52	12061.00500	500 ml	779,54	12061.01000	1.000 ml	1491,94			
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## 02. Staining kits

Product	Description	Order Information																		
<p><b>Staining Kit: Picro-Sirius Red for Collagen I &amp; III Detection</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>WEIGERT stock solution A, Artikel-Nr.:10225A</li> <li>WEIGERT stock solution B, Artikel-Nr.:10225B</li> <li>Picro-Sirius Red Solution, Artikel-Nr.:13422</li> <li>Acetic Acid 30 %, Artikel-Nr.:13428</li> <li>Acetic Acid 30 %, Artikel-Nr.:13428</li> </ul>	 <p><b>Staining of tissue samples</b></p> <p>The Picro-Sirius Red staining kit is used for the visualization and differentiation of collagen type I and type III in histological preparations. It is particularly suitable for the analysis of connective tissue, supporting tissue, muscle tissue and cytoplasm in various organs and tissues.</p> <p>The chemical mode of operation of this staining kit is based on the combination of Weigert stock solutions A and B, Picro-Sirius Red and acetic acid. Weigert stock solutions A and B are mixed in a 1:1 ratio just prior to use and are used for nucleus staining, while Picro-Sirius Red specifically binds to collagenous fibers and stains them red. Acetic acid is used as a solvent and to adjust the pH.</p> <p>Compared to other staining methods, the Picro-Siriusrot staining kit offers the advantage of not</p>	<p>CE</p> <p></p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>13425.00100</td> <td>100 ml</td> <td>52,32</td> </tr> <tr> <td>13425.00250</td> <td>250 ml</td> <td>65,30</td> </tr> <tr> <td>13425.00500</td> <td>500 ml</td> <td>122,60</td> </tr> <tr> <td>13425.01000</td> <td>1.000 ml</td> <td>238,06</td> </tr> <tr> <td>13425.02500</td> <td>2.500 ml</td> <td>547,40</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	13425.00100	100 ml	52,32	13425.00250	250 ml	65,30	13425.00500	500 ml	122,60	13425.01000	1.000 ml	238,06	13425.02500	2.500 ml	547,40
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<p><b>Staining Kit: CROSSMON's Trichrome Staining</b></p> <p><b>Lagerung:</b> siehe Einzelprodukte</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>WEIGERT stock solution A, Artikel-Nr.:10225A</li> <li>WEIGERT stock solution B, Artikel-Nr.:10225B</li> <li>Acid Fuchsin - Orange G, Artikel-Nr.:12180</li> <li>Phosphortungstic Acid 1 %, Artikel-Nr.:10318</li> <li>Light Green 0.2 % (GOLDNER III), Artikel-Nr.:10267</li> <li>Aniline blue (MASSON C), Artikel-Nr.:10141</li> </ul>	 <p><b>Staining of tissue samples</b></p> <p>The CROSSMON trichrome staining kit has been specially developed for histological and histopathological users to enable differentiated staining of various tissue structures in tissue samples. Trichrome staining for the visualization of connective and supporting tissue. Collagenous fibers and reticular connective tissue (green-blue) can be differentiated from cytoplasm and muscle tissue (red), as well as erythrocytes (orange) and cell nuclei (black-brown).</p> <p>The kit contains the following components:</p> <ol style="list-style-type: none"> <li>Weigert Stock Solution A and Weigert Stock Solution B: These two reagents are combined to obtain a hematoxylin solution used to stain cell nuclei in blue.</li> <li>Acid fuchsin orange G solution: This solution stains cytoplasm and muscle fibers in red.</li> <li>Phosphotungstic acid 1% used to differentiate</li> </ol>	<p>CE</p> <p></p> <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>11087.00100</td> <td>100 ml</td> <td>47,55</td> </tr> <tr> <td>11087.00250</td> <td>250 ml</td> <td>65,89</td> </tr> <tr> <td>11087.00500</td> <td>500 ml</td> <td>126,30</td> </tr> <tr> <td>11087.01000</td> <td>1.000 ml</td> <td>243,56</td> </tr> <tr> <td>11087.02500</td> <td>2.500 ml</td> <td>557,38</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	11087.00100	100 ml	47,55	11087.00250	250 ml	65,89	11087.00500	500 ml	126,30	11087.01000	1.000 ml	243,56	11087.02500	2.500 ml	557,38
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## 06.1 Technovit systems

Product	Description	Order Information
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Our sample processing product group offers a variety of ready-to-use solutions specifically designed for use in in vitro diagnostics and laboratory applications. These products support the entire process of pre- and post-processing tissue samples to achieve optimal results in cutting and staining processes as well as post-processing of processed sections. The solutions offered include decalcifiers, special alcohols and embedding media designed to meet the demanding requirements of research and diagnostics. If you need a specific solution for sample processing that is not yet included in our portfolio, please do not hesitate to contact us - we will be happy to help you and provide you with an individual offer.

### LEICA knife holder N for TECHNOVIT® knife holder

Lagerung: —

This product comprises



processing of samples embedded in resin

LEICA knife holder N, silver for holding conventional knives up to 16 cm long or the KULZER knife holder for carbide disposable blades. Height adjustment of the knife edge, separate clearance angle adjustment, movable finger guard. No : 14050237993

Order-No.:	Amount:	Price:
17039.VE001	1 VE	954,73

### TECHNOVIT® 2000 LC - THE LIGHT-CURING

Lagerung: 15 ... 25 °C

This product comprises

- Technovit 2000 LC



embedding of specimens in resin

Technovit 2000 LC is an easy-to-use 1-component resin. Polymerization takes place under blue light in the Technotray POWER light polymerization unit. Precise casting and positioning is no problem. The system is used for the examination or preparation of sensitive, temperature-sensitive materials and microparts.

Order-No.:	Amount:	Price:
18523.0004	Fixierpaste 4 g	48,19
18523.00040	Inside Cure 40 ml	104,58
18523.0100	Abdecklack 100 ml	52,86
18523.01000	Flüssigkeit 1.000 ml	147,66

### TECHNOVIT® 3040

Lagerung: 15 ... 25 °C

This product comprises

- Technovit 3040 Powder, 1.000 g
- Technovit 3040 Universal Liquid, 500 ml



Embedding of specimens in plastics

Technovit 3040 is a fast-curing 2-component resin based on methymethacrylate (MMA). For blocking and fixing embedded plastic specimens with the Histobloc or also for base embedding. Due to the chemical composition, a stable, permanent bond with the cured block Technovit 7100, Technovit 8100 or Technovit 9100 is given.

Dissolve the 3040 powder in the universal liquid. It is then pourable and moldable for a few minutes before curing very quickly solid.

Kit consisting of 2 components:  
100 g Technovit 3040 powder yellow  
80 ml Technovit Universal Liquid.



Order-No.:	Amount:	Price:
12229.K0180	Komplettkit – 100 g + 80 ml	33,50
12229.O0500	Universal Liquid 500 ml	35,65
12229.O1000	Universal Liquid 2 x 500 ml	66,09
12229.F1000	Pulver 1.000 g	70,17
12229.F2000	Pulver 2.000 g	149,59

### TECHNOVIT® 3040 Powder

Lagerung: 15 ... 25 °C

This product comprises

- • Technovit 3040 Powder: 1.000 g








Embedding of specimens in plastics

Technovit® 3040 is a fast-curing 2-component resin based on methymethacrylate (MMA). For blocking and fixing embedded plastic specimens with the Histobloc or also for base embedding. Due to the chemical composition, a stable, permanent bond with the cured block Technovit® 7100, Technovit® 8100 or Technovit®9100 is given.





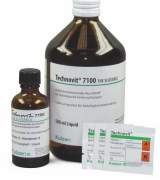
The 3040 powder is dissolved in the Universal Liquid. It is then pourable and moldable for a few minutes before curing solid very quickly.

Order-No.:	Amount:	Price:
12229.F1000	Pulver 1.000 g	70,17
12229.F2000	Pulver 2.000 g	149,59






## 06.1 Technovit systems

Product	Description	Order Information																					
<p><b>TECHNOVIT® 4000</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>for embedding of specimen in resin. This product contains:</p> <ul style="list-style-type: none"> <li>• Technovit 4000 Powder: 1.500 g</li> <li>• Technovit 4000 Sirup I: 1.000 ml</li> <li>• Technovit 4000 Sirup II: 500 ml</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 4000 is a fast-curing cold-curing 3-component resin based on modified polyester in the form of powder and syrup I and syrup II. Its primary application is the casting of materials for subsequent grinding and polishing of surfaces.</p> <p>In histology, Technovit® 4000 is used to bond specimen blocks to microscope slides. Especially on plastic slides, Technovit® 4000 offers optimal adhesion properties.</p> <p>Components of this kit:</p> <ul style="list-style-type: none"> <li>- Technovit 4000 Powder</li> <li>- Technovit 4000 Syrup I</li> <li>- Technovit 4000 Syrup II.</li> </ul>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18111.F1500</td> <td>1.500 g Pulver</td> <td>106,17</td> </tr> <tr> <td>18111.K3000</td> <td>1.500 g Pulver + 1.000 ml Sirup I + 500 ml Sirup II</td> <td>228,74</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18111.F1500	1.500 g Pulver	106,17	18111.K3000	1.500 g Pulver + 1.000 ml Sirup I + 500 ml Sirup II	228,74												
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18111.F1500	1.500 g Pulver	106,17																					
18111.K3000	1.500 g Pulver + 1.000 ml Sirup I + 500 ml Sirup II	228,74																					
<p><b>TECHNOVIT® 4000 Powder</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4000 powder 1.500 g</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 4000 is a fast-curing cold-curing 3-component resin based on modified polyester in the form of powder and syrup I and syrup II. The primary application is the casting of materials for subsequent grinding and polishing of surfaces.</p> <p>In histology, Technovit® 4000 is used to bond specimen blocks to slides. Especially on plastic slides, Technovit® 4000 offers optimal adhesion properties.</p> <p>Technovit 4000 powder is offered for histological applications as an aftermarket component</p> <ul style="list-style-type: none"> <li>- Technovit 4000 powder.</li> </ul>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18111.F1500</td> <td>1.500 g Pulver</td> <td>106,17</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18111.F1500	1.500 g Pulver	106,17															
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<p><b>TECHNOVIT® 4002 IQ - THE GAP-FREE</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4002 IQ</li> </ul>	 <p><b>embedding of specimens in resin</b></p> <p>Technovit® 4002 IQ is based on a modified polyester consisting of either a fast or a slow powder component (different curing and pot times) and a liquid.</p> <p>The areas of application extend across the entire range of materials with a wide variety of geometric shapes where high quality is required in terms of edge cleavage, grinding and polishing behavior.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18664.01000</td> <td>1.000 ml</td> <td>97,81</td> </tr> <tr> <td>18664.05000</td> <td>5.000 ml</td> <td>334,72</td> </tr> <tr> <td>18664.Fw130</td> <td>Pulver weiss 1.300 g</td> <td>93,45</td> </tr> <tr> <td>18664.FXw13</td> <td>Pulver weiss 13.000 g</td> <td>519,57</td> </tr> <tr> <td>18664.Fg130</td> <td>Pulver grün 1.300 g</td> <td>94,45</td> </tr> <tr> <td>18664.FXg13</td> <td>Pulver grün 13.000 g</td> <td>504,87</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18664.01000	1.000 ml	97,81	18664.05000	5.000 ml	334,72	18664.Fw130	Pulver weiss 1.300 g	93,45	18664.FXw13	Pulver weiss 13.000 g	519,57	18664.Fg130	Pulver grün 1.300 g	94,45	18664.FXg13	Pulver grün 13.000 g	504,87
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<p><b>TECHNOVIT® 4004 - THE TRANSPARENT</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> </ul>	 <p><b>embedding of specimens in resin</b></p> <p>Transparent 2-component material based on MMA. This powder-liquid system is optimal for quick routine examinations that require visual inspection.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18274.00500</td> <td>Liquid 500 ml</td> <td>45,43</td> </tr> <tr> <td>18274.01000</td> <td>Liquid 1.000 ml</td> <td>78,91</td> </tr> <tr> <td>18274.05000</td> <td>Liquid 5.000 ml</td> <td>240,12</td> </tr> <tr> <td>18274.F1000</td> <td>Pulver 1.000 g</td> <td>80,39</td> </tr> <tr> <td>18274.F2000</td> <td>Pulver 2x 1.000 g</td> <td>142,62</td> </tr> <tr> <td>18274.FX010</td> <td>Pulver 10.000 g</td> <td>452,63</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18274.00500	Liquid 500 ml	45,43	18274.01000	Liquid 1.000 ml	78,91	18274.05000	Liquid 5.000 ml	240,12	18274.F1000	Pulver 1.000 g	80,39	18274.F2000	Pulver 2x 1.000 g	142,62	18274.FX010	Pulver 10.000 g	452,63
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<p><b>TECHNOVIT® 4006 - THE HIGHLY TRANSPARENT</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p>	 <p><b>embedding of specimens in resin</b></p> <p>The crystal-clear variant. The highly transparent 2-component cold embedding material allows a lower temperature load due to the longer curing time. This makes target preparations easy and uncomplicated, even on more sensitive materials.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18768.00500</td> <td>Liquid 500 ml</td> <td>45,43</td> </tr> <tr> <td>18768.01000</td> <td>Liquid 1.000 ml</td> <td>78,91</td> </tr> <tr> <td>18768.05000</td> <td>Liquid 5.000 ml</td> <td>240,12</td> </tr> <tr> <td>18768.F1000</td> <td>Pulver 1.000 g</td> <td>80,39</td> </tr> <tr> <td>18768.F2000</td> <td>Pulver 2x 1.000 g</td> <td>142,62</td> </tr> <tr> <td>18768.FX010</td> <td>Pulver 10.000 g</td> <td>452,63</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18768.00500	Liquid 500 ml	45,43	18768.01000	Liquid 1.000 ml	78,91	18768.05000	Liquid 5.000 ml	240,12	18768.F1000	Pulver 1.000 g	80,39	18768.F2000	Pulver 2x 1.000 g	142,62	18768.FX010	Pulver 10.000 g	452,63
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## 06.1 Technovit systems






Product	Description	Order Information												
<p><b>TECHNOVIT® 4071 Liquid</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4071 Liquid</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 4071 is a fast-curing, two-component investment material based on highly crosslinked methyl methacrylate in powder and liquid form. Color: green-transparent</p> <p>The obvious advantages of this material are its easy handling and high flexibility in terms of mixing ratios, its excellent flowability and its fast polymerization time of less than 5 minutes. Due to these properties, Technovit® 4071 is used in standardized in-process tests that need to be performed quickly during a manufacturing process.</p> <p>Related product: Technovit® 4071 Powder</p>	 <table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18516.00500</td> <td>500 ml</td> <td>50,22</td> </tr> <tr> <td>18516.01000</td> <td>1.000 ml</td> <td>78,91</td> </tr> <tr> <td>18516.04000</td> <td>4.000 ml</td> <td>182,37</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18516.00500	500 ml	50,22	18516.01000	1.000 ml	78,91	18516.04000	4.000 ml	182,37
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<p><b>TECHNOVIT® 5000 - THE ELECTRICALLY CONDUCTIVE</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> </ul>	 <p><b>embedding of specimens in resin</b></p> <p>This 2-component copper-based cold embedding agent enables conductive embeddings that are ideal for SEM examinations. Technovit 5000 also forms a good basis for the electrolytic preparation of metallographic specimens. Technovit 5000 is flowable for approx. 1 min (by lightly tapping the mold) and cures within 7 min. Color: copper brown</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>16874.00500</td> <td>Liquid 500 ml</td> <td>61,80</td> </tr> <tr> <td>16874.F1000</td> <td>Pulver 1000g</td> <td>140,94</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	16874.00500	Liquid 500 ml	61,80	16874.F1000	Pulver 1000g	140,94			
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<p><b>TECHNOVIT® 5071 - THE DISSOLVABLE</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> </ul>	 <p><b>embedding of specimens in resin</b></p> <p>With Technovit 5071, embedded specimens can be easily detached again. This product offers simplest application with good mechanical workability. E.g. for SEM examinations, microprobe or electrolytic preparation of samples. Technovit 5071 is also an optimal adhesive e.g. for strain gauges. Color: green-transparent</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>15879.00500</td> <td>Universal Liquid 500 ml</td> <td>42,90</td> </tr> <tr> <td>15879.F1000</td> <td>Pulver 1.000 g</td> <td>86,41</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	15879.00500	Universal Liquid 500 ml	42,90	15879.F1000	Pulver 1.000 g	86,41			
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<p><b>TECHNOVIT® 7100</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>for embedding of specimen in resin.</p> <p>This product contains:</p> <ul style="list-style-type: none"> <li>• 500 ml basic solution</li> <li>• 5 x 1 g hardener 1</li> <li>• 40 ml hardener 2</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 7100 is a resin embedding system based on HEMA* (2-hydroxyethyl methacrylate). The hydrophilic resin is used in medicine, botany, zoology as well as in industry for embedding tissues for light microscopic examinations. The sections can be used for histological staining and enzyme detection.</p> <p>Kit consisting of 3 components: Technovit 7100 500 ml base solution Technovit 7100 5 x 1g hardener 1 Technovit 7100 1 x 40 ml hardener 2.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.F0010</td> <td>Komp. 2: Härter 1, 10 x 1 g</td> <td>26,62</td> </tr> <tr> <td>12227.K0500</td> <td>Kit mit 500 ml Basislösung</td> <td>89,84</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.F0010	Komp. 2: Härter 1, 10 x 1 g	26,62	12227.K0500	Kit mit 500 ml Basislösung	89,84			
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## 06.1 Technovit systems







Product	Description	Order Information		
<p><b>TECHNOVIT® 7100/7200/9100 Hardener 1</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 7100/7200/9100 Härter 1, 10 x 1 g</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>The Technovit® systems 7100, 7200 and 9100 are stimulated to polymerize by hardener 1. For the cold-curing variants T7100 and T9100, the hardener provides the initial polymerization. For the light-curing T7200, the hardener serves to stimulate polymerization when embedding thick and solid specimens that cannot be penetrated by light.</p> <p>The hardener is packaged in sachets of 1 g and is offered as a pack of 10.</p>	<p>Order-No.:</p> <p>12227.F0010 12225.F0010 17571.F0010</p>	<p>Amount:</p> <p><b>Komponente 2: 10 x 1 g</b> <b>Komponente 2: 10 x 1 g</b> <b>BPO: 10 x 1 g</b></p>	<p>Price:</p> <p><b>27,80</b> <b>27,80</b> <b>27,80</b></p>
<p><b>TECHNOVIT® 7200 VLC Basic Solution</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 7200 VLC</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 7200 is a plastic embedding system based on GMA (glycol methacrylate) that penetrates particularly well into hard tissue and is polymerized by light. Technovit® 7200 is used in medicine, botany and zoology. The polymerization is carried out with white light and blue light.</p> <p>For the polymerization of Technovit 7200, the company Exakt offers suitable light polymerization devices.</p>	<p>Order-No.:</p> <p>17571.01000</p>	<p>Amount:</p> <p><b>Komponente 1: 1.000 ml</b></p>	<p>Price:</p> <p><b>371,63</b></p>
<p><b>TECHNOVIT® 7200 VLC Series</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 7230 VLC</li> <li>• Technovit 7210 VLC – 2 x 15 ml</li> <li>• Technovit 7230 VLC</li> <li>• Technovit 4000 Kit</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 7200 is a plastic embedding system based on GMA (glycol methacrylate) that penetrates particularly well into hard tissue and is polymerized by light. Technovit® 7200 is used in medicine, botany and zoology. The polymerization takes place with white light and blue light.</p> <p>The starter kit contains all components needed for all occurring steps in the separation thin section technique:</p> <ul style="list-style-type: none"> <li>- Technovit 7200 VLC</li> <li>- Technovit 7210 VLC</li> <li>- Technovit 7230 VLC</li> <li>- Technovit 4000 combipack</li> </ul> <p>All components are also available individually.</p>	<p>Order-No.:</p> <p>17571.F0010 17571.00030 17571.00100 17571.01000 17571.K1000</p>	<p>Amount:</p> <p><b>BPO Härter</b> <b>Komp. 2: 7210 VLC – 2 x 15 ml</b> <b>Komp. 3: 7230 VLC – 100 ml</b> <b>Komp. 1: 7200 VLC – 1.000 ml</b> <b>Starterkit</b></p>	<p>Price:</p> <p><b>27,80</b> <b>48,97</b> <b>94,06</b> <b>371,63</b> <b>703,85</b></p>
<p><b>TECHNOVIT® 7210 VLC</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 7210 VLC</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 7200 is a plastic embedding system based on GMA (glycol methacrylate) that penetrates particularly well into hard tissue and is polymerized by light. Technovit® 7200 is used in medicine, botany and zoology. The polymerization is carried out with white light and blue light.</p> <p>For the polymerization of Technovit 7200, the company Exakt offers suitable light polymerization devices.</p> <p>The component T7210 VLC is a low viscosity UV adhesive with which slides can be glued to ground sample blocks and after complete processing the sections can then be covered with a cover glass.</p> <p>T7210 VLC is also suitable for embedding histological samples of all kinds without xylene.</p>	<p>Order-No.:</p> <p>17571.00030</p>	<p>Amount:</p> <p><b>Komponente 2: 2 x 15 ml</b></p>	<p>Price:</p> <p><b>48,95</b></p>
<p><b>TECHNOVIT® 7230 VLC</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 7230 VLC</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 7200 is a plastic embedding system based on GMA (glycol methacrylate) that penetrates particularly well into hard tissue and is polymerized by light. Technovit® 7200 is used in medicine, botany and zoology. The polymerization takes place with white light and blue light.</p> <p>The component T7230 VLC is a very viscous variant which is used to fix and align samples in the pouring molds.</p>	<p>Order-No.:</p> <p>17571.00100</p>	<p>Amount:</p> <p><b>Komponente 3: – 100 ml</b></p>	<p>Price:</p> <p><b>94,06</b></p>










## 06.1 Technovit systems

Product	Description	Order Information																								
<b>TECHNOVIT® 8100</b> Lagerung: 15 ... 25 °C for embedding of specimen in resin. This product contains: <ul style="list-style-type: none"> <li>• 500 ml basic solution</li> <li>• 5 x 0,6 g hardener 1</li> <li>• 30 ml hardener 2</li> <li>• 500 polyethylene foils, 75 x 25 mm</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 8100 is a plastic embedding system based on HEMA for light microscopy. It is suitable for embedding all tissues in medicine, zoology and botany. Sections can be treated with classical histological methods as well as with immunohistochemical detection.</p> <p>Technovit® 8100 is a combination of an almost odorless plasticizer and a hydrophilic plastic. Technovit® 8100 has been specially developed for cold polymerization (+4 °C).</p> <p>Kit consisting of 3 components:            Technovit 8100 base solution            Technovit 8100 hardener 1            Technovit 8100 regulator            Polyethylene films 500 pcs.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12226.K0500</td> <td>Komplettkit – 500 ml</td> <td>137,03</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12226.K0500	Komplettkit – 500 ml	137,03																		
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12226.K0500	Komplettkit – 500 ml	137,03																								
<b>TECHNOVIT® 9100</b> Lagerung: 15 ... 25 °C Kit consisting of 5 components: <ul style="list-style-type: none"> <li>• 1000 ml basic solution</li> <li>• 120 g PMMA powder</li> <li>• 8 x 1 g hardener 1</li> <li>• 10 ml hardener 2</li> <li>• 5 ml regulator</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Polymerization system for embedding hard and soft tissue specimens, bones, teeth and other materials for subsequent histological, immunohistochemical and enzyme histochemical examination and in situ hybridization.</p> <p>Kit consisting of 5 components:            Technovit 9100 Base Solution            Technovit 9100 PMMA Powder            Technovit 9100 Hardener 2            Technovit 7100/9100 Hardener 1            Technovit 9100 Regulator</p> <p>All components are also available individually (at the same time, individual prices are shown opposite).</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.F0010</td> <td>Komp. 2: Härter 1 – 10 x 1 g</td> <td>27,80</td> </tr> <tr> <td>12225.00010</td> <td>Komp. 4: Härter 2 – 10 ml</td> <td>47,40</td> </tr> <tr> <td>12225.00005</td> <td>Komp. 5: Regler – 5 ml</td> <td>32,73</td> </tr> <tr> <td>12225.K1000</td> <td>Komplettes Kit – 1.000 ml</td> <td>131,72</td> </tr> <tr> <td>12225.05000</td> <td>Komp. 1: Basislg. – 5.000 ml</td> <td>178,73</td> </tr> <tr> <td>12225.F1000</td> <td>Komp. 3: PMMA-Pulver – 1.000 g</td> <td>170,47</td> </tr> <tr> <td>12225.VE200</td> <td>Polyethylenfolien 200 Stk.</td> <td>9,27</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.F0010	Komp. 2: Härter 1 – 10 x 1 g	27,80	12225.00010	Komp. 4: Härter 2 – 10 ml	47,40	12225.00005	Komp. 5: Regler – 5 ml	32,73	12225.K1000	Komplettes Kit – 1.000 ml	131,72	12225.05000	Komp. 1: Basislg. – 5.000 ml	178,73	12225.F1000	Komp. 3: PMMA-Pulver – 1.000 g	170,47	12225.VE200	Polyethylenfolien 200 Stk.	9,27
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<b>TECHNOVIT® 9100 Basic Solution</b> Lagerung: 15 ... 25 °C This product comprises <ul style="list-style-type: none"> <li>• Technovit 9100 basic solution</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>The base solution Technovit® 9100 consists of stabilized methyl methacrylate. The hydrophilicity is improved by the addition of a suitable hydrophilizing agent. Technovit® 9100 base solution can be used both stabilized and destabilized.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.05000</td> <td>Komponente 1: Basis-Lösung – 5.000 ml</td> <td>178,73</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.05000	Komponente 1: Basis-Lösung – 5.000 ml	178,73																		
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<b>TECHNOVIT® 9100 De-plast Solution (MEA)</b> Lagerung: 15 ... 25 °C Art.-Nr.: 12228 vL_TECHNOVIT® 9100 Entplastungs-Lösung (MEA) g/mol CAS-Nr.:	 <p><b>Deplating of slides with specimens in plastics</b></p> <p>TECHNOVIT® 9100 Deplastizing Solution (MEA) is a special product based on methoxyethyl acetate. It was developed to enable the deplastization of tissue samples infiltrated with the Technovit® 9100 system and embedded in polymethyl methacrylate (PMMA).</p> <p>Methoxyethyl acetate is an effective solvent for PMMA and allows complete removal of the plastic material from the tissue samples. This is a critical step, especially when preparing the embedded tissue for specialized techniques such as immunohistochemistry or electron microscopy.</p> <p>Deplastization is a carefully controlled process in which tissue structure and morphology are preserved during the removal of the plastic. It is important that this process is performed by</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12228.00100</td> <td>100 ml</td> <td>66,32</td> </tr> <tr> <td>12228.01000</td> <td>1.000 ml</td> <td>385,15</td> </tr> <tr> <td>12228.02500</td> <td>2.500 ml</td> <td>861,35</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12228.00100	100 ml	66,32	12228.01000	1.000 ml	385,15	12228.02500	2.500 ml	861,35												
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12228.01000	1.000 ml	385,15																								
12228.02500	2.500 ml	861,35																								
<b>TECHNOVIT® 9100 Hardener 2</b> Lagerung: 15 ... 25 °C This product comprises <ul style="list-style-type: none"> <li>• Technovit 9100 hardener 2</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>The hardener liquid 2 has a catalytic effect on the hardener 1 to enable targeted polymerization even at very low temperatures [&lt; 0 °C].</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.00010</td> <td>Komponente 4: Härter 2 – 10 ml</td> <td>47,40</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.00010	Komponente 4: Härter 2 – 10 ml	47,40																		
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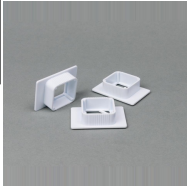
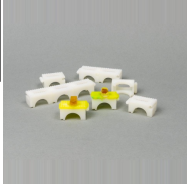
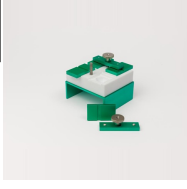
## 06.1 Technovit systems

Product	Description	Order Information																				
<p><b>TECHNOVIT® 9100 microscope slide coating</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>Relevant Ingredients:</p> <ul style="list-style-type: none"> <li>.</li> <li>.</li> </ul>	 <p><b>Slide coating</b></p> <p>TECHNOVIT® 9100 slide coating is an innovative solution for the pretreatment of microscope slides. Combining glue, poly-L-lysine and water, it provides a reliable basis for the adhesion of tissue sections in Technovit 9100 preparations. Glue, a complex mixture of proteins and polysaccharides, serves as the adhesive medium. Poly-L-lysine, a linear homopolymer of the amino acid L-lysine with the general formula (C<sub>6</sub>H<sub>13</sub>N<sub>2</sub>O<sub>2</sub>)<sub>n</sub>, increases surface adhesiveness to cells and tissues by providing positively charged groups that bind to negatively charged cell membranes. The water base ensures easy application and cleaning. Once applied to the slide, the Technovit 9100 preparation is held securely on the surface, allowing precise and detailed microscopic examination.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>16720.00100</td> <td>100 ml</td> <td>47,83</td> </tr> <tr> <td>16720.00250</td> <td>250 ml</td> <td>65,81</td> </tr> <tr> <td>16720.00500</td> <td>500 ml</td> <td>120,82</td> </tr> <tr> <td>16720.01000</td> <td>1.000 ml</td> <td>229,50</td> </tr> <tr> <td>16720.02500</td> <td>2.500 ml</td> <td>517,72</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	16720.00100	100 ml	47,83	16720.00250	250 ml	65,81	16720.00500	500 ml	120,82	16720.01000	1.000 ml	229,50	16720.02500	2.500 ml	517,72		
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<p><b>TECHNOVIT® 9100 PMMA powder</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 9100 PMMA-powder</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>The PMMA powder is used to ensure a significant lowering of the polymerization shrinkage, a reduction of the released polymerization heat and a better polymerization process.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.F1000</td> <td><b>Komponente 2: PMMA-Pulver – 1.000 g</b></td> <td>170,47</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.F1000	<b>Komponente 2: PMMA-Pulver – 1.000 g</b>	170,47														
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<p><b>TECHNOVIT® 9100 polyethylene films</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 9100 Polyethylenfolien 200 Stk.</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Polyethyl films for covering Technovit® 9100 sections for the pressing process in the slide press</p> <p>Packaging unit 2 x 100 pcs.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.VE200</td> <td><b>Polyethylenfolien – 200 Stk.</b></td> <td>9,59</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.VE200	<b>Polyethylenfolien – 200 Stk.</b>	9,59														
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12225.VE200	<b>Polyethylenfolien – 200 Stk.</b>	9,59																				
<p><b>TECHNOVIT® 9100 Controller</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 9100 regulator</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>The regulator for Technovit® 9100 consists of a reactive organic compound that enables controlled polymerization with controlled low temperature peaks even with large polymerization volumes.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>12225.00005</td> <td><b>Komponente 5: Regler – 5 ml</b></td> <td>32,73</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	12225.00005	<b>Komponente 5: Regler – 5 ml</b>	32,73														
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12225.00005	<b>Komponente 5: Regler – 5 ml</b>	32,73																				
<p><b>TECHNOVIT® mixing cup</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Anrührbecher, 10 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Disposable mixing cup for Technovit 3040</p> <p>Packing unit of 1 x 10 pcs.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18124.VE001</td> <td>1 VE</td> <td>5,78</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18124.VE001	1 VE	5,78														
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18124.VE001	1 VE	5,78																				
<p><b>TECHNOVIT® Metering Spoon</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Dosierlöffel, 2 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Disposable dosing spoon for Technovit 3040</p> <p>Packing unit of 1 x 2 pcs.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18122.VE001</td> <td>1 VE</td> <td>4,69</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18122.VE001	1 VE	4,69														
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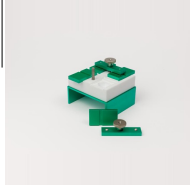





## 06.1 Technovit systems

Product	Description	Order Information		
<b>TECHNOVIT® embedding moulds</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 15 mm, 3 Stk.</li> <li>• Technovit Einbettformen ø 25 mm, 3 Stk.</li> <li>• Technovit Einbettformen ø 30 mm, 3 Stk.</li> <li>• Technovit Einbettformen ø 40 mm, 3 Stk.</li> <li>• Technovit Einbettformen ø 50 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0015 17632.E0025 17632.E0030 17632.E0040 17632.E0050	Amount: ø 15 mm, 1 VE zu 3 Stk. ø 25 mm, 1 VE zu 3 Stk. ø 30 mm, 1 VE zu 3 Stk. ø 40 mm, 1 VE zu 3 Stk. ø 50 mm, 1 VE zu 3 Stk.	Price: 14,69 14,69 14,69 14,69 14,69
<b>TECHNOVIT® embedding forms - ø 15 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 15 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0015	Amount: ø 15 mm, 1 VE zu 3 Stk.	Price: 14,69
<b>TECHNOVIT® embedding forms - ø 25 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 25 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0025	Amount: ø 25 mm, 1 VE zu 3 Stk.	Price: 14,69
<b>TECHNOVIT® embedding forms - ø 30 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 30 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0030	Amount: ø 30 mm, 1 VE zu 3 Stk.	Price: 14,69
<b>TECHNOVIT® embedding forms - ø 40 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 40 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0040	Amount: ø 40 mm, 1 VE zu 3 Stk.	Price: 14,69
<b>TECHNOVIT® embedding forms - ø 50 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einbettformen ø 50 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Cylindrical polyethylene embedding cups in packaging units of 3 pcs. (Insert for round specimen holder on microtome not included)</p> <p>Available diameters: 15 mm / 25 mm / 30 mm / 40 m / 50 mm</p>	Order-No.: 17632.E0050	Amount: ø 50 mm, 1 VE zu 3 Stk.	Price: 14,69
<b>TECHNOVIT® insert for embedding form, Ø 25 mm</b> <b>Lagerung:</b> — This product comprises <ul style="list-style-type: none"> <li>• Technovit Einsatz f. Einbettform 25 mm, 3 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Inserts for the embedding molds with hexagonal shape, ø 25 mm, Packing unit of 3 pcs.</p>	Order-No.: 18049.E0025	Amount: 1 VE mit 3 Stk.	Price: 14,38

## 06.1 Technovit systems

Product	Description	Order Information		
<p><b>TECHNOVIT® EPOX</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> <li>• Technovit 4071 Liquid</li> </ul>	 <p><b>embedding of specimens in resin</b></p> <p>Technovit EPOX is a 3-component epoxy resin system that allows individual adjustment of curing time, pot life and temperature load.</p>	<p>Order-No.:</p> <p>18505.hf500 18505.hr500 18505.01000</p>	<p>Amount:</p> <p><b>Hardener regular 500 g</b> <b>Hardener fast 500 g</b> <b>Resin 1.000 g</b></p>	<p>Price:</p> <p><b>56,15</b> <b>60,28</b> <b>103,28</b></p>
<p><b>TECHNOVIT® Hand Specimen Holder H</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit hand sample holder H</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>For the preparation of thin sections in histology</p> <ul style="list-style-type: none"> <li>- made of stainless steel</li> <li>- Adhesive adhesion or gluing possible</li> <li>- Vernier adjustment for precise removal</li> <li>- Ceramic ring against overgrinding.</li> </ul>	<p>Order-No.:</p> <p>11278.VE001</p>	<p>Amount:</p> <p><b>1 VE</b></p>	<p>Price:</p> <p><b>833,13</b></p>
<p><b>TECHNOVIT® Histoblade</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit Histoblade, 50 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Disposable knives for cutting HEMA (2-hydroxyethyl methacrylate) embedded samples up to 1µm cut thickness. The knives are used in the microtome knife holder.</p> <ul style="list-style-type: none"> <li>- heavy stable design</li> <li>- easy handling</li> <li>- optimized cut quality</li> <li>- improved lifetime</li> </ul> <p>Packaging unit of 1 x 50 pcs.</p>	<p>Order-No.:</p> <p>12361.VE001</p>	<p>Amount:</p> <p><b>1 VE</b></p>	<p>Price:</p> <p><b>136,88</b></p>
<p><b>TECHNOVIT® Histobloc for Histoform N &amp; N+</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit Histobloc für Histoform N &amp; N+, 50 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Histobloc carrier parts for histoforms N and N+</p> <p>Packing unit of 50 pcs.</p>	<p>Order-No.:</p> <p>11281.VE001</p>	<p>Amount:</p> <p><b>1 VE</b></p>	<p>Price:</p> <p><b>11,56</b></p>
<p><b>TECHNOVIT® Histobloc for Histoform S&amp;Q</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit Histobloc für Histoform S &amp; Q, 100 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Histobloc carrier parts for Histoforms S and Q</p> <p>Packing unit of 100 pcs.</p>	<p>Order-No.:</p> <p>11282.VE001</p>	<p>Amount:</p> <p><b>1 VE</b></p>	<p>Price:</p> <p><b>50,63</b></p>
<p><b>TECHNOVIT® Histoform N</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit Histoform N</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Embedding mold made of Teflon for embedding samples in Technovit 9100 (4 samples)</p> <ul style="list-style-type: none"> <li>- easy release due to the conical shape and the material</li> <li>- long service life</li> <li>- easy attachment of the Histobloc carrier parts</li> <li>- excellent temperature dissipation due to stainless steel base</li> </ul> <p>Dimensions (W x L x D): 10 x 18 x 10 mm.</p>	<p>Order-No.:</p> <p>18041.VE001</p>	<p>Amount:</p> <p><b>1 Stk</b></p>	<p>Price:</p> <p><b>486,09</b></p>

## 06.1 Technovit systems

Product	Description	Order Information						
<p><b>TECHNOVIT® Histoform N+</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Histoform N+ für Technovit 9100</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Embedding mold made of Teflon for embedding samples in Technovit 9100 (4 samples)</p> <ul style="list-style-type: none"> <li>- easy release due to the conical shape and material</li> <li>- long service life</li> <li>- easy attachment of the Histobloc carrier parts</li> <li>- excellent temperature dissipation due to stainless steel base</li> </ul> <p>Dimensions (W x L x D): 16 x 19 x 13 mm.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18042.VE001</td> <td>1 VE</td> <td>432,03</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18042.VE001	1 VE	432,03
Order-No.:	Amount:	Price:						
18042.VE001	1 VE	432,03						
<p><b>TECHNOVIT® Histoform Q</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Histoform Q for Technovit 7100/8100</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Embedding mold made of Teflon for embedding samples in Technovit 7100/8100 (10 samples)</p> <ul style="list-style-type: none"> <li>- easy release due to the conical shape and material</li> <li>- long service life</li> <li>- easy attachment of the Histobloc carrier parts</li> <li>- excellent temperature dissipation due to stainless steel base</li> </ul> <p>Dimensions (W x L x D): 20 x 16 x 10 mm.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>15068.VE001</td> <td>1 Stk.</td> <td>456,72</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	15068.VE001	1 Stk.	456,72
Order-No.:	Amount:	Price:						
15068.VE001	1 Stk.	456,72						
<p><b>TECHNOVIT® Histoform S</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Technovit Histoform S</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Embedding mold made of Teflon for embedding samples in Technovit 7100/8100 (10 samples)</p> <ul style="list-style-type: none"> <li>- easy release due to the conical shape and material</li> <li>- long service life</li> <li>- easy attachment of the Histobloc carrier parts</li> <li>- excellent temperature dissipation due to stainless steel base</li> </ul> <p>Dimensions (W x L x D): 10 x 16 x 6.5 mm.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>15067.VE001</td> <td>1 Stk.</td> <td>397,97</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	15067.VE001	1 Stk.	397,97
Order-No.:	Amount:	Price:						
15067.VE001	1 Stk.	397,97						
<p><b>TECHNOVIT® Wood Mixing Spatula</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Holzanzmischspatel, 10 Stk.</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Disposable mixing spatula for Technovit 3040</p> <p>Packing unit of 1 x 10 pcs.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>18123.VE001</td> <td>1 VE</td> <td>3,91</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	18123.VE001	1 VE	3,91
Order-No.:	Amount:	Price:						
18123.VE001	1 VE	3,91						
<p><b>TECHNOVIT® Microtome Knife Holder</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Technovit Microtome blade holder</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Sturdy blade holder for Technovit® Histoblade disposable knives.</p> <p>Dimensions: 170 x 34 x 10 mm</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>11465.VE001</td> <td>1 VE</td> <td>695,31</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	11465.VE001	1 VE	695,31
Order-No.:	Amount:	Price:						
11465.VE001	1 VE	695,31						
<p><b>TECHNOVIT® microscope slide press</b></p> <p>Lagerung: —</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>Microscope slide press</li> </ul>	 <p><b>Processing of specimens with plastics</b></p> <p>Metal press for pressing MMA sections flat onto the slide during the drying process.</p> <p>For approx. 50-70 slides.</p>	<table border="1"> <thead> <tr> <th>Order-No.:</th> <th>Amount:</th> <th>Price:</th> </tr> </thead> <tbody> <tr> <td>11280.VE001</td> <td>1 VE</td> <td>309,85</td> </tr> </tbody> </table>	Order-No.:	Amount:	Price:	11280.VE001	1 VE	309,85
Order-No.:	Amount:	Price:						
11280.VE001	1 VE	309,85						

## 06.1 Technovit systems

Product	Description	Order Information		
<p><b>TECHNOVIT® Primer RC</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• Technovit Primer RC</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Ready-to-use solution Technovit Primer RC for use in histology and/or cytology for embedding specimens in plastics.</p>	Order-No.:	Amount:	Price:
		17838.K0020	5 x 4 ml	81,37
<p><b>TECHNOVIT® Universal Liquid 2060, 3040, 5071</b></p> <p>Lagerung: 15 ... 25 °C</p> <p>This product comprises</p> <ul style="list-style-type: none"> <li>• • Technovit 3040 Universal Liquid, 500 ml</li> </ul>	 <p><b>Embedding of specimens in plastics</b></p> <p>Technovit® 3040 is a fast-curing 2-component resin based on methymethacrylate (MMA). For blocking and fixing embedded plastic specimens with the Histobloc or also for base embedding. Due to the chemical composition, a stable, permanent bond with the cured block Technovit® 7100, Technovit® 8100 or Technovit®9100 is given.</p> <p>The 3040 powder is dissolved in the universal liquid. It is then pourable and moldable for a few minutes before it sets very quickly.</p>	Order-No.:	Amount:	Price:
		12229.00500 12229.01000	500 ml 1.000 ml	35,65 66,25

## 09.1 Alcohols & solvents

### Product

### Description

### Order Information



Our solvents for everyday laboratory needs are ideal for histology, cytology and special laboratory applications. We offer a selection of solvents, including acetone and ethanol in various concentrations, as well as isopropanol and xylene, each in different container sizes. In addition to the small containers listed, our solvents are also available in larger canisters of 5, 10, 20, 25 and 30 liters. We are happy to adapt to your individual needs and offer excellent conditions for your requirements. Simply contact us about your wishes and benefit from regular deliveries at particularly favorable conditions. Our products are optimal for specialized laboratories and ensure high quality and reliability in your applications.

#### Acetone

Lagerung: 15 ... 25 °C

Propan-2-on  
 $\text{CH}_3\text{COCH}_3$   
 58,08 g/mol  
 CAS-Nr.: 67-64-1



#### Solvents / Fixatives / Sample processing

Acetone is a colorless, highly flammable liquid with a characteristic sweet odor. It is an organic solvent used in many industrial and laboratory applications. The chemical formula of acetone is  $\text{C}_3\text{H}_6\text{O}$  and it belongs to the ketone group.

In histology, acetone is commonly used as a degreasing agent and clearing agent. It helps remove fats and lipids from tissue specimens to allow better penetration of staining solutions and other reagents. Acetone can also be used to remove kerosene or other embedding materials from microscopic sections before they are stained.

In other applications, acetone serves as a solvent for many organic compounds such as resins, plastics, paints, varnishes and adhesives. It is also used in the chemical industry to produce compounds such as acetone cyanohydrin, which



Order-No.:	Amount:	Price:
11368.00100	100 ml	12,00
11368.00250	250 ml	14,00
11368.00500	500 ml	18,00
11368.01000	1.000 ml	26,00
11368.02500	2.500 ml	40,00
11368.05000	5.000 ml	60,00
11368.10000	10.000 ml	105,00
11368.20000	20.000 ml	190,00
11368.25000	25.000 ml	220,00
11368.30000	30.000 ml	250,00

#### Ethanol 60 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Relevant Ingredients:  
 • Ethyl alcohol  
 • Aqua dest. / pure water



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula  $\text{C}_2\text{H}_6\text{O}$ . The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.



Order-No.:	Amount:	Price:
12503.00250	250 ml	9,37
12503.00500	500 ml	12,45
12503.01000	1.000 ml	14,53
12503.02500	2.500 ml	24,40
12503.05000	5.000 ml	38,80
12503.10000	10.000 ml	71,33
12503.20000	20.000 ml	97,13
12503.25000	25.000 ml	109,97

#### Ethanol 70 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Relevant Ingredients:  
 • Ethyl alcohol  
 • Aqua dest. / pure water



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula  $\text{C}_2\text{H}_6\text{O}$ . The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.



Order-No.:	Amount:	Price:
12089.00050	50 ml	5,59
12089.00250	250 ml	9,48
12089.00500	500 ml	12,80
12089.01000	1.000 ml	14,96
12089.02500	2.500 ml	25,37
12089.05000	5.000 ml	31,50
12089.10000	10.000 ml	58,50
12089.20000	20.000 ml	80,66
12089.25000	25.000 ml	91,69
12089.30000	30.000 ml	102,28

## 09.1 Alcohols & solvents

### Product

### Description

### Order Information

#### Ethanol 80 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Relevant Ingredients:

- Ethyl alcohol
- Aqua dest. / pure water



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula C<sub>2</sub>H<sub>6</sub>O. The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.

+++++

Ready to use alcoholic disinfectant for the



Order-No.:	Amount:	Price:
11579.00100	100 ml	5,63
11579.00250	250 ml	9,59
11579.00500	500 ml	13,15
11579.01000	1.000 ml	15,39
11579.02500	2.500 ml	26,35
11579.05000	5.000 ml	32,96
11579.10000	10.000 ml	61,31
11579.20000	20.000 ml	86,29
11579.25000	25.000 ml	98,73

#### Ethanol 90 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Relevant Ingredients:

- Ethyl alcohol



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula C<sub>2</sub>H<sub>6</sub>O. The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.



Order-No.:	Amount:	Price:
11616.00250	250 ml	9,70
11616.00500	500 ml	13,49
11616.01000	1.000 ml	15,83
11616.02500	2.500 ml	24,81
11616.05000	5.000 ml	34,43
11616.10000	10.000 ml	64,13
11616.20000	20.000 ml	91,93

#### Ethanol 96 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Ethylalkohol, Hydroxyethan

C<sub>2</sub>H<sub>6</sub>O

46,07 g/mol

46,07 g/mol sine H<sub>2</sub>O

CAS-Nr.: 64-17-5



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula C<sub>2</sub>H<sub>6</sub>O. The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.



Order-No.:	Amount:	Price:
11470.00100	100 ml	5,69
11470.00250	250 ml	9,76
11470.00500	500 ml	13,70
11470.01000	1.000 ml	16,09
11470.02500	2.500 ml	27,90
11470.05000	5.000 ml	35,30
11470.10000	10.000 ml	65,81
11470.20000	20.000 ml	95,28
11470.25000	25.000 ml	109,97
11470.30000	30.000 ml	124,21

#### Ethanol 99 %, denatured (MEK/IPA/BTX)

Lagerung: 15 ... 25 °C

Ethan-2-ol

C<sub>2</sub>H<sub>6</sub>OH

46,07 g/mol

CAS-Nr.: 64-17-5



#### Solvents / Fixatives / Sample processing

Ethanol, ethyl alcohol, colloquially called alcohol is an aliphatic, monohydric alcohol with the molecular formula C<sub>2</sub>H<sub>6</sub>O. The pure substance is liquid and colorless at room temperature, as well as highly flammable.

MORPHISTO offers ethanol in various concentrations (grades) in the fully denatured form with methyl ethyl ketone, isopropanol and Bitrex. On request, the partially denatured form (methyl ethyl ketone) is also available in Germany against user verification.

Ethanol is used in histology for dehydration in tissue processing and as a solvent or cleaning agent in various laboratory applications.



Order-No.:	Amount:	Price:
11067.00250	250 ml	9,79
11067.00500	500 ml	13,80
11067.01000	1.000 ml	16,22
11067.02500	2.500 ml	28,20
11067.05000	5.000 ml	35,73
11067.10000	10.000 ml	66,65
11067.20000	20.000 ml	96,96
11067.25000	25.000 ml	112,07
11067.30000	30.000 ml	126,73



## 09.1 Alcohols & solvents

### Product

### Description

### Order Information

#### 2-Propanol

Lagerung: 15 ... 25 °C

2-Propanol  
C<sub>3</sub>H<sub>8</sub>O, CH<sub>3</sub>COHCH<sub>3</sub>  
60,10 g/mol  
60,1 g/mol sine H<sub>2</sub>O  
CAS-Nr.: 67-63-0



#### Solvents / Fixatives / Sample processing

Isopropanol (also called isopropyl alcohol or IPA) is a colorless, flammable solvent that has very strong degreasing, dehydrating and disinfecting properties. Isopropanol is therefore a component of many disinfectants. Due to its additional grease-dissolving property, isopropanol is also used in industry and in the cleaning sector.

Isopropanol achieves particularly good results as an effective means of combating mold infestation, as a surface disinfectant, and as a skin and hand disinfectant.

In histology, it is used as a dehydrating step because it has very good miscibility with water, ethanol and xylene. In some laboratories, isopropanol in the undiluted form is also used as a xylene substitute.



Order-No.:	Amount:	Price:
11365.00100	100 ml	5,70
11365.00250	250 ml	6,84
11365.00500	500 ml	8,18
11365.01000	1.000 ml	13,40
11365.02500	2.500 ml	23,13
11365.05000	5.000 ml	28,77
11365.10000	10.000 ml	53,85
11365.20000	20.000 ml	84,17
11365.25000	25.000 ml	99,28
11365.30000	30.000 ml	113,94

#### Xylene

Lagerung: 15 ... 25 °C

Dimethylbenzol  
C<sub>8</sub>H<sub>10</sub>  
106,17 g/mol  
CAS-Nr.: 1330-20-7



#### Solvents / Fixatives / Sample processing

Xylene, also known as xylene or dimethylbenzene, is a clear, colorless liquid with a characteristic sweet odor. It is an aromatic hydrocarbon mixture consisting mainly of the isomers ortho-, meta- and para-xylene.

In histology, xylene is used as a deparaffinizing agent and as an embedding medium for tissue specimens. It is used to remove kerosene wax from paraffin-embedded tissue sections before they are stained and examined microscopically. Xylene also helps to clarify the tissue sections and improves light transmission for better microscopic observation. In addition, xylene is used as a solvent for stains and resins.

Outside histology, xylene also finds use as a solvent in the paint, adhesive, printing and rubber industries, and as an intermediate in the



Order-No.:	Amount:	Price:
11070.00250	250 ml	9,89
11070.00500	500 ml	12,80
11070.01000	1.000 ml	17,54
11070.02500	2.500 ml	24,14
11070.05000	5.000 ml	37,54
11070.10000	10.000 ml	69,31
11070.25000	25.000 ml	124,81
11070.x0200	200.000 ml	811,54

## 09.2 Acids & alkalis

### Product

### Description

### Order Information



Decalcification solutions are essential for the histological examination of hard tissue, such as bones and teeth, in in vitro diagnostics and special laboratory applications. Decalcification makes the tissue soft and pliable so that it can be embedded in kerosene and processed with common histological techniques. These special solutions are based on chelating agents such as EDTA or various acids and offer gentle decalcification with optimal stainability of the tissues. This allows precise examination of samples and is particularly important for the analysis of pathologies or anatomical structures required in in vitro diagnostics and laboratory applications.

### Formic Acid 5 %

Lagerung: 15 ... 25 °C

Relevant Ingredients:  
 • Formic acid



#### Decalcifying solution / etchant

Formic acid 5 % is a dilute solution of the organic acid used in a wide range of applications. In histology, formic acid plays an essential role in decalcifying tissue specimens, especially those containing hard material such as bone. Due to its ability to dissolve calcium compounds while leaving most tissue structures intact, formic acid enables effective sectioning and staining of tissues for more detailed microscopic examination.

In addition, formic acid 5% finds application as a laboratory reagent for staining and cleaning. Its acidic properties allow various materials to be cleaned and pretreated for better surface bonding with subsequent treatments.

In materialography, formic acid is used as an etchant or etchant additive. It can also serve as a reducing agent to prevent or reduce oxidation.



Order-No.:	Amount:	Price:
11977.00250	250 ml	11,89
11977.00500	500 ml	14,81
11977.01000	1.000 ml	21,15
11977.02500	2.500 ml	39,38

### Citric Acid 1 %

Lagerung: 15 ... 25 °C

Relevant Ingredients:  
 • Citric acid



#### Preparation of buffer solutions

Citric acid 1% as a solution is an ingredient for a variety of laboratory uses, especially for staining kits such as the Campbell-Switzer silver plating kit. In its role as a weak organic acid, chemically known as C6H8O7, citric acid plays a key role in modulating pH, regulating enzymatic activity and improving staining capacity. Its action as a chelator binds metal ions, enhancing the efficiency of many biochemical reactions.

The use of this 1% citric acid solution enables uniform and well-defined staining in histological and cytological preparations. The addition of this solution can effectively visualize details of cell nuclei, membranes or pathological changes in tissue sections or smears, especially in hematoxylin-based nuclear staining.

Order-No.:	Amount:	Price:
16827.00100	100 ml	12,76
16827.00250	250 ml	15,27
16827.00500	500 ml	20,27
16827.01000	1.000 ml	27,35
16827.02500	2.500 ml	50,25

### Citric Acid 10 %

Lagerung: 15 ... 25 °C

Relevant Ingredients:  
 • Citric acid



#### Preparation of buffer solutions

Ready-to-use solution Citric Acid 10 % for use in histology or cytology for Preparation of buffer solutions



Order-No.:	Amount:	Price:
17997.00100	100 ml	13,45
17997.00250	250 ml	17,26
17997.00500	500 ml	26,55
17997.01000	1.000 ml	35,32
17997.02500	2.500 ml	68,70