

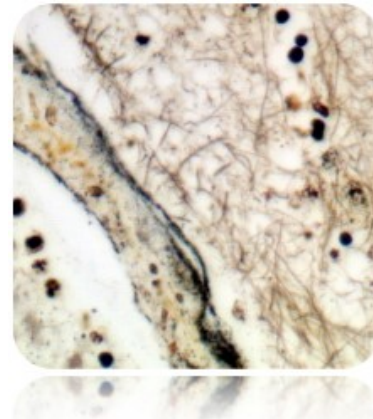
Bielschowsky's Stain Kit (Modified)

Description: The Bielschowsky's Stain Kit (Modified) is designed for histological visualization of nerve fibers, neurofibrillary tangles and senile plaques in Alzheimer's disease.

Axons:	Black
Neurofibrillary Tangles:	Black
Senile Plaques:	Black
Nuclei:	Dark Brown
Background:	Yellow to Light Brown

Uses/Limitations: Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.

Control Tissue: Cerebral cortex (cut 8-10µm)



Ordering Information and Current Pricing at www.scytek.com

Availability:


<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SNZ500	Silver Nitrate Solution (20%)	500 ml	2-8°C
FRL008	Formalin Solution (20%)	8 ml Dropper	18-25°C
CAS008	Citric Acid Solution (Bielschowsky's)	8 ml Dropper	18-25°C
NAS008	Nitric Acid Solution (Bielschowsky's)	8 ml Dropper	18-25°C
STB125	Sodium Thiosulfate Solution (5%)	125 ml	18-25°C

Required but Not Included: Concentrated Ammonium hydroxide (25-30%).


Storage: Mixed storage conditions. Store according to individual label instructions.

Precautions: Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C  25° C
**Mixed Storage Conditions.
Separate Contents.**

 ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
U.S.A.



 EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
2513 BH Hague, The Netherlands

Preparation of Reagents Prior to Beginning:

- Prepare working **Ammoniacal Silver Solution (used in step 4)** using chemically cleaned glassware in a chemical fume hood as follows:
 Pour 25-50ml of Silver Nitrate Solution (20%) into container (*volume used is dependent on amount required to adequately fill staining container*). Add concentrated ammonium hydroxide (25-30%) (*not included in kit*); drop by drop, while swirling the flask continuously, until precipitate just dissolves and the reagent goes clear. NOTE: If a small excess of ammonium hydroxide (25-30%) is added and solution will not go completely clear, filter the solution using a paper filter prior to use!
Note: Use extreme care in preparation and use of Ammoniacal Silver Solution. Use mixture once and dispose. Dispose of waste observing all local, state and federal laws.
- Prepare **Developer Solution (used in step 8)** using chemically cleaned glassware immediately prior to use as follows:


 Swirl carefully throughout mixing steps.

 50 ml Distilled Water
 8 Drops Formalin Solution (20%)
 8 Drops Citric Acid Solution (Bielschowsky's)
 4 Drops Nitric Acid Solution (Bielschowsky's)
- Prepare working **Ammonia Water (used in step 8)** by mixing 320µl (8 drops) of concentrated Ammonium hydroxide (25-30%) (not included) in 50 ml of distilled water.

Procedure:


Preheat waterbath to 40°C

- Deparaffinize sections if necessary and hydrate to distilled water.
- Place a chemically cleaned staining jar containing 25ml of Silver Nitrate Solution (20%) in waterbath and allow temperature to equilibrate for 10 minutes.
- Place slide in warmed Silver Nitrate Solution (20%) and incubate for 15 minutes at 40°C.
- During incubation place Ammoniacal Silver Solution in waterbath in allow temperature to equilibrate.
- Remove slide from Silver Nitrate Solution (20%) and rinse in 4 changes of distilled water.
- Place slide in warmed Ammoniacal Silver Solution and incubate for 10 minutes at 40°C.
- Remove slide from Ammoniacal Silver Solution, shake off excess and place directly into Developer Solution. Agitate gently until tissue section takes on a yellow/brown hue (5-20 seconds).
- Remove slide from Developer Solution and immediately place in Ammonia Water for 30 seconds.
- Rinse in 4 changes of distilled water.
- Apply adequate Sodium Thiosulfate Solution (5%) to completely cover tissue section and incubate for 2 minutes.
- Rinse in 4 changes of distilled water.
- Dehydrate in 3 changes of absolute alcohol for 2 minutes each.
- Clear, and mount in synthetic resin.

 Storage: 2° C  25° C


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2513 BH Hague, The Netherlands


Instructions For Use
BSK-1-IFU

Rev. Date: 7/9/2018

Revision: 3


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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com


Storage: 2° C  25° C

**Mixed Storage Conditions.
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